2

CHARTS

(REDUCED IN SIZE)

ILLUSTRATING THE STATISTICS OF TRADE, EMPLOYMENT, AND CONDITIONS OF LABOUR

IN THE

UNITED KINGDOM

PREPARED FOR THE

ST. LOUIS EXHIBITION

BY THE

COMMERCIAL, LABOUR, AND STATISTICAL DEPARTMENT

OF THE

BOARD OF TRADE.

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TO THE SECRETARY OF THE BOARD OF TRADE.

SIR,

I HAVE the honour to present a series of Charts, reproduced on a reduced scale from those prepared for the St. Louis Exhibition by the Commercial, Labour, and Statistical Department of the Board of Trade, to illustrate the statistics of trade employment and conditions of labour in the United Kingdom. The original series of Charts were on view at the offices of the Labour Department for a few days prior to their despatch to St. Louis in February. Subsequently a number of applications for copies of the Charts were received, and, in consequence, it has been considered desirable to reproduce them in a form available to the general public. The Statistical Tables on which the Charts were based are printed as an Appendix for convenient reference.

I have, &c.,

H. LLEWELLYN SMITH.

COMMERCIAL, LABOUR, AND STATISTICAL
DEPARTMENT.

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STATISTICAL CHARTS FOR ST. LOUIS EXHIBITION RELATING TO THE UNITED KINGDOM.

Descriptive List of the Charts Prepared by the Commercial, Labour, and Statistical Department of the Board of Trade.

The Charts, twenty-eight in number, have been prepared to illustrate the Statistics of the United Kingdom relating to the distribution according to the occupation of the industrial population; Fluctuations in Unemployment; Wages and Prices; Consumption of Articles of Food and Drink; Pauperism; Foreign Trade; the Production or Consumption of certain raw materials and manufactures; Trade Disputes causing stoppage of work; Trade Unions; Co-operative Societies; and Fatal Industrial Accidents.

The Statistics on which the Charts are based will be found for the most part in the annual and other Reports of the various Departments of the Board of Trade, supplemented by Reports issued by the Home Office, the Local Government Board, the Department of Agriculture and Fisheries, and the Registry of Friendly Societies.

Occupations of the People.

I. The first Chart shows the numbers returned as occupied in fourteen groups of trades at the time of the Census of 1901. The groups shown are Agriculture; Domestic Service; Conveyance of Men, Messages, Goods, etc.; Metal, Engineering, and Shipbuilding Trades; Clothing Trades; Textile Trades; Building Trades; Mining and Quarrying Industry; Food, Tobacco, etc., Trades; Woodworking and Furnishing Trades; Printing, Bookbinding and Paper Trades; Glass, Chemical, Pottery, etc., Trades; General Labour and other Undefined and Miscellaneous Trades. The total numbers occupied, distinguishing males and females, are shown in the first column of the Chart, the second and third columns showing the numbers of 20 years of age and above, and the numbers under 20, in each of the 14 groups of trades.

II. The second Chart shows the fluctuations in the numbers occupied in seven principal groups of trades according to the various censuses from 1851 to 1901. These seven groups are Agriculture; Female Domestic Service; Textile Trades; Metal, Engineering, and Shipbuilding Trades; Building Trades; Mining and Quarrying; and Tailoring and Boot and Shoe Trades.

Employment.

III. In the next Chart the average monthly and annual percentage of unemployed members of certain Trade Unions are shown for the period 1888–1903. The percentages are based on the number of members out of work at the end of each month, as given by Trade Unions that report to the Board of Trade. Members on strike, or locked out, or unemployed through sickness, etc., are excluded.

Fluctuations in Wages.*

IV. Changes in rates of wages are shown according to the method of Index Numbers. Changes in the general level of wages in 1874–1903 are first dealt with, the wages in 1900 being taken as 100, and the wages in other years being shown as percentages of the rate in 1900.

* The changes in wages dealt with in these Charts are changes in the standard time and piece rates of wages for the same quantity and quality of labour. They do not show changes in earnings arising out of variations in the extent of employment offered, or altered conditions of working.

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V. (*a*), (*b*), (*c*), (*d*), (*e*). In these Charts the percentage changes are shown of the wages in five principal groups of trades, viz., Building Trades, Coal Mining, Engineering Trades, Cotton, Linen, and Jute Trades, and Agriculture.

VI. A special Chart for a much longer period (1850–1903) shows the changes in the cash rates, of wages of agricultural labourers in England and Wales based on returns from 67 farms, each covering the full period of 54 years.

Prices (Wholesale).

VII. The general level of wholesale prices in the period 1871–1903 is shown. This is based on the combined prices of the 45 articles which constitute the Board of Trade Index Number for Prices. The relative weight given to each article is proportional to the extent to which it enters into the national consumption.

VIII. (*a*), (*b*), (*c*), (*d*). In these Charts the 45 articles are arranged in 4 groups, viz., Coal and Metals; Raw Materials of Textiles; Articles of Food and Drink; and other Raw Materials, etc., and the fluctuations in the prices for each group are shown separately.

Prices of Wheat and Bread.

IX. This Chart shows the market price per quarter (480 lbs.) of British Wheat in England and Wales for over 100 years (1800–1903), together with the retail price per 4 lbs. of Bread in London and Edinburgh, the price in London being given for the whole period 1800–1903 (except for the years 1816–1819), and that for Edinburgh from 1824–1903.

Retail Prices in London.

X. This Chart shows the percentage fluctuations in the general level of retail prices of nine of the principal articles of food consumed by the working classes in London in 1877–1903. It is based on the prices of beef, mutton, bacon, bread, flour, potatoes, tea, sugar, and butter.

XI. and XII. In the two following Charts are shown the percentage fluctuations in the prices of eight of the articles included in the first Chart.

Consumption of Food and Drink.

XIII. This Chart shows the consumption per head of the population of certain dutiable articles. The number of pounds per head consumed of tea, currants and raisins, coffee, cocoa, tobacco, and sugar (raw and refined) is shown for the period 1854–1903, and the consumption of British beer in gallons for 1881–1903.

XIV. In this Chart the total net consumption of wheat in the United Kingdom is shown for the period 1853–1903, and also the amounts of British and imported wheat respectively.

XV. The next Chart represents the consumption and expenditure, as regards meat and flour and bread, of agricultural labourers' families and of urban workmen's families. The figures are based on a number of budgets furnished to the Board of Trade in 1903.

Pauperism.

XVI. This Chart shows for the period 1855–1902, (1) the number of paupers in the United Kingdom, and (2) the number of able-bodied paupers in England and Wales, each expressed at a rate per 1,000 of the population in the United Kingdom and England and Wales respectively.

Foreign Trade.

XVII. The Imports and Exports of the United Kingdom for 1854–1903 are shown in this Chart, the Imports for home consumption and the Exports of British and Irish produce being each shown separately, as well as the gross totals of the Imports and Exports respectively.

Shipping and Railway Traffic.

XVIII. The nett tonnage of the vessels entered and cleared with cargoes in the foreign trade at ports in the United Kingdom is next shown for the years 1854–1903, and the receipts from Railway goods traffic are given for 1854–1902.

Production and Home Consumption.

XIX. The production and home consumption of coal and pig iron are shown on this Chart, the period being 1854–1902, except in the case of the home consumption of coal, particulars of which are only given for the years 1873–1902.

XX. This Chart shows the home consumption of raw cotton and raw wool, and the net tonnage of all vessels built in the United Kingdom, excluding only war vessels built for the British Navy.

Trade Disputes.

XXI. and XXII. These two Charts relate to Trade Disputes causing stoppage of work. The first shows for each of the years 1894–1903 the number of workpeople directly and indirectly affected by the disputes, and the aggregate duration in working days. The second classifies the numbers *directly* affected, according to trade, cause and result.

Trade Unions.

XXIII. and XXIV. The first of these Charts shows the membership of all Trade Unions in 1893–1902, classified according to trade, the mean membership during the ten years being thus shown, as well as the membership in each year. In the second the expenditure of 100 principal Unions has been analysed, the expenditure on Trade Disputes and the chief classes of friendly benefit, and on working and other expenses being shown for each of the ten years and for the mean of the period.

Workmen's Co-operative Societies.

XXV. The next Chart shows for 1902 (1) the sales of Wholesale and Retail Distributive Societies; and (2) the value of goods produced by Productive Co-operative Societies, classified (*a*) according to class of society and (*b*) according to the class of articles produced.

XXVI. In another Chart the growth of Co-operation since 1862 is shown, the amount of the Sales, the Share and Loan Capital, and the Membership being represented for each of the years during the period.

Fatal Industrial Accidents.

XXVII. and XXVIII. The last two Charts in the exhibit deal with Fatal Industrial Accidents. One shows the relative risk of death from accident in certain occupations, expressed as a rate per 10,000 of the numbers employed. The occupations shown are:—seafaring, coal mining, quarrying, metal mining, railway service, and the various kinds of employment in factories. The rate is based on the experience of the years 1898–1902. The other shows the fluctuations from year to year from 1880 in the principal occupations, viz., those of seamen, coal miners, metal miners, railway servants, factory operatives, quarrymen, and the miscellaneous occupations so far covered by legislation.

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STATISTICAL TABLES ON WHICH THE FOREGOING CHARTS ARE BASED.

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I.—OCCUPATIONS.

NUMBER OF PERSONS OCCUPIED IN CERTAIN GROUPS OF TRADES IN UNITED KINGDOM IN 1901.

[Based on the Census Reports of the United Kingdom for 1901.]

Groups of Trades.	Persons Occupied, including Employers and Dealers.					
	Males.			Females.		
	Under 20 years of age.	20 years of age and above.	Total.	Under 20 years of age.	20 years of age and above.	Total.
Building	172,935	950,483	1,123,418	140	829	969
Mining and Quarrying	177,833	723,782	901,615	2,772	2,154	4,926
Metal, Engineering and Shipbuilding.*	264,489	1,105,355	1,369,844	30,797	35,194	65,991
Textile	131,701	378,842	510,543	294,513	496,629	791,142
Clothing	66,565	369,742	436,307	272,164	606,983	879,147
Printing, Bookbinding and Paper.	41,036	136,423	177,459	47,727	46,710	94,437
Woodworking and Furnishing	59,070	257,219	316,289	10,097	16,193	26,290
Brick, Pottery, Glass, Chemicals	44,974	165,513	210,487	23,841	26,015	49,856
Food, Drink and Tobacco ...	58,623	238,826	297,449	39,916	48,538	88,454
Conveyance of Men, Goods, and Messages.	339,681	1,203,842	1,543,523	15,913	13,931	29,844
Other Trades	91,847	725,838	817,685	76,588	418,038	494,626
General Labourers and others (undefined).	94,204	629,373	723,577	10,938	14,024	24,962
Domestic Service	55,798	232,726	288,524	553,165	1,087,989	1,641,154
Agriculture†	325,284	1,580,158	1,905,442	12,904	135,647	148,551
TOTAL	1,924,040	8,698,122	10,622,162	1,391,475	2,948,874	4,340,349

Groups of Trades.	Persons Occupied, including Employers and Dealers.		
	Total Males and Females.		
	Under 20 years of age.	20 years of age and above.	Total.
Building	173,075	951,312	1,124,387
Mining and Quarrying	180,605	725,936	906,541
Metal, Engineering and Shipbuilding*	295,286	1,140,549	1,435,835
Textile	426,214	875,471	1,301,685
Clothing	338,729	976,725	1,315,454
Printing, Bookbinding and Paper ...	88,763	183,133	271,896
Woodworking and Furnishing ...	69,167	273,412	342,579
Brick, Pottery, Glass, Chemicals ...	68,815	191,528	260,343
Food, Drink and Tobacco	98,539	287,364	385,903
Conveyance of Men, Goods, and Messages.	355,594	1,217,773	1,573,367
Other Trades	168,435	1,143,876	1,312,311
General Labourers and others (undefined).	105,142	643,397	748,539
Domestic Service	608,963	1,320,715	1,929,678
Agriculture†	338,188	1,715,805	2,053,993
TOTAL	3,315,515	11,646,996	14,962,511

* Excluding workers in precious metals, jewellery, &c., and makers of watches and scientific and surgical instruments.
† Excluding woodmen, nurserymen and gardeners; also farmers' daughters and other female relatives.

II.—OCCUPATIONS.

CHANGES IN NUMBERS OCCUPIED IN CERTAIN MANUAL LABOUR GROUPS OF TRADES IN UNITED KINGDOM, 1851–1901.

[Based on the Census Reports of the United Kingdom for 1851–1901.]

Groups of Trades.	Persons Occupied, including Employers and Dealers.					
	1851.	1861.	1871.	1881.	1891.	1901.
Building	508,634	596,173	714,987	833,386	836,413	1,124,387
Mining and Quarrying	372,481	450,120	518,798	589,194	724,526	906,541
Metal, Engineering and Ship-building.*	504,968	669,814	789,230	900,954	1,056,724	1,435,835
Textile	1,671,681	1,501,790	1,446,266	1,337,500	1,391,453	1,301,685
Tailoring, Boot and Shoe ...	504,072	516,246	474,485	477,101	546,034	599,409
Female Domestic Service ...	1,093,870	1,397,183	1,562,237	1,595,678	1,748,954	1,641,154
Agriculture†	3,347,998	3,089,903	2,710,241	2,478,979	2,266,118	2,053,993

* Excluding workers in precious metals, jewellery, &c., and makers of watches and scientific and surgical instruments.
† Excluding woodmen, nurserymen and gardeners ; also farmers' wives, daughters, and other female relatives.

III.—EMPLOYMENT.

FLUCTUATIONS IN EMPLOYMENT, 1888–1903.

PERCENTAGE PROPORTION OF MEMBERS OF TRADE UNIONS MAKING RETURNS WHO WERE UNEMPLOYED AT END OF EACH MONTH.

[The Figures for the Years 1888–1902 are taken from the *Ninth Annual Abstract of Labour Statistics* (Cd. 1755 of 1903); those for 1903 are taken from the *Labour Gazette.*]

At end of	Percentage Number of Members Unemployed.															
	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.
January	7·8	3·1	1·4	3·4	5·0	10·0	7·0	8·2	4·5	3·3	5·0	3·0	2·7	4·0	4·4	5·1
February	7·0	2·8	1·4	2·6	5·7	9·5	6·3	7·9	3·8	3·0	4·4	2·6	2·9	3·9	4·3	4·8
March	5·7	2·2	1·7	2·8	5·7	8·7	6·5	6·5	3·5	2·5	3·1	2·5	2·3	3·6	3·7	4·3
April	5·2	2·0	2·0	2·7	5·4	6·9	6·1	6·5	3·2	2·5	2·9	2·2	2·5	3·8	3·9	4·1
May	4·8	2·0	2·0	3·0	5·9	6·2	6·3	6·0	3·3	2·3	2·7	2·5	2·4	3·6	4·0	4·0
June	4·6	1·8	1·9	2·9	5·2	5·8	6·3	5·6	3·2	2·7	2·6	2·3	2·6	3·5	4·2	4·5
July	3·9	1·7	2·3	3·3	5·0	6·2	7·4	5·3	3·1	2·7	2·6	2·3	2·7	3·4	4·0	4·9
August	4·8	2·5	2·3	4·2	5·1	7·1	7·7	5·2	3·4	3·5	2·8	2·3	3·0	3·9	4·5	5·5
September	4·4	2·1	2·6	4·5	6·2	7·3	7·6	4·9	3·6	4·4	2·6	2·4	3·6	3·7	5·0	5·8
October	4·4	1·8	2·6	4·4	7·3	7·3	7·4	4·9	3·3	4·7	2·5	2·3	3·3	3·7	5·0	5·8
November	3·1	1·5	2·4	3·8	8·3	7·2	7·0	4·3	2·9	4·8	2·3	2·2	3·2	3·8	4·8	6·0
December	3·3	1·7	3·0	4·4	10·2	7·9	7·7	4·8	3·2	5·3	2·9	2·5	4·0	4·6	5·5	6·7
YEARLY MEAN ...	4·9	2·1	2·1	3·5	6·3	7·5	6·9	5·8	3·4	3·5	3·0	2·4	2·9	3·8	4·4	5·1

IV., V. a, b, c, d, e.—WAGES.

PERCENTAGE FLUCTUATIONS IN THE AVERAGE STANDARD RATES OF WAGES, 1874–1903, AS COMPARED WITH STANDARD YEAR 1900.

[Based on the particulars published in the Report on *Standard Time Rates of Wages* (Cd. 317 of 1900) and in the *Ninth Annual Abstract of Labour Statistics* (Cd. 1755 of 1903), and on subsequent Returns.]

End of Year.	BUILDING TRADES. (Bricklayers, Carpenters and Joiners, and Masons.) Mean of 74 Rates.	COAL MINING. (Hewers.) Weighted Percentage Changes in Principal Districts.	ENGINEERING. (Fitters, Turners, Ironfounders, and Pattern makers.) Mean of 36 Rates.	TEXTILE. (Cotton Spinners and Weavers, and Linen and Jute Operatives.)	AGRICULTURE. (Ordinary Labourers.) Mean of 115 Rates.	Unweighted Mean of preceding Groups of Trades.
1874	81·11	88·90	88·77	106·67	93·22	91·73
1875	84·45	79·38	88·99	104·89	93·79	90·30
1876	87·78	70·66	88·86	104·89	94·92	89·42
1877	90·00	65·65	88·86	102·22	94·92	88·33
1878	88·89	61·98	88·05	92·45	94·35	85·14
1879	86·67	62·11	87·86	88·01	92·09	83·35
1880	85·55	61·45	88·05	89·78	91·53	83·27
1881	85·55	63·23	89·36	94·23	91·53	84·78
1882	85·55	67·91	89·94	94·23	91·53	85·83
1883	84·45	69·24	90·09	93·33	92·09	85·84
1884	84·45	65·67	89·99	93·56	91·53	85·04
1885	84·45	63·10	89·96	90·22	90·40	83·63
1886	84·45	61·09	89·60	89·34	89·83	82·86
1887	84·45	60·85	90·29	90·22	89·27	83·02
1888	84·45	64·80	91·29	93·78	89·27	84·72
1889	85·55	75·79	91·72	94·67	89·83	87·51
1890	86·67	85·85	92·68	95·12	90·96	90·26
1891	87·78	86·52	93·31	96·89	93·22	91·54
1892	88·89	78·88	93·31	96·00	93·22	90·06
1893	90·00	80·44	92·60	94·97	92·66	90·13
1894	91·11	76·13	92·56	94·97	92·66	89·49
1895	92·22	72·54	93·18	94·97	92·66	89·11
1896	93·33	71·90	96·75	94·97	92·66	89·92
1897	94·45	72·60	98·18	94·97	93·79	90·80
1898	97·78	78·60	99·19	94·97	95·48	93·20
1899	98·89	83·53	99·61	98·22	96·61	95·37
1900	**100·00**	**100·00**	**100·00**	**100·00**	**100·00**	**100·00**
1901	100·00	93·95	100·29	100·00	101·13	99·07
1902	100·00	87·53	100·29	100·00	101·13	97·78
1903	100·00	84·92	99·93	100·00	101·13	97·20

VI.—WAGES.

PERCENTAGE FLUCTUATIONS IN WAGES* OF AGRICULTURAL LABOURERS, 1850–1903 AS COMPARED WITH STANDARD YEAR 1900.

[Based on the Report on *Wages and Earnings of Agricultural Labourers in the United Kingdom* (Cd. 346 of 1900), and on subsequent Returns.]

Year.	Percentage.	Year.	Percentage.	Year.	Percentage.
1850	64·4	1868	82·8	1886	89·1
1851	63·8	1869	81·6	1887	87·9
1852	63·8	1870	81·6	1888	87·4
1853	69·0	1871	83·3	1889	88·5
1854	74·1	1872	87·4	1890	90·2
1855	76·4	1873	92·0	1891	92·0
1856	75·9	1874	93·1	1892	92·5
1857	74·0	1875	93·7	1893	92·0
1858	74·1	1876	94·3	1894	91·4
1859	73·6	1877	94·3	1895	91·4
1860	75·3	1878	94·3	1896	92·0
1861	76·4	1879	91·4	1897	92·5
1862	75·9	1880	90·8	1898	94·8
1863	75·9	1881	90·8	1899	96·0
1864	75·9	1882	91·4	**1900**	**100·0**
1865	77·0	1883	91·4	1901	100·6
1866	79·3	1884	90·8	1902	100·6
1867	82·2	1885	89·7	1903	100·6

* Mean of rates paid on 67 Farms.

VII. and VIII. a, b, c, d.—WHOLESALE PRICES.

PERCENTAGE CHANGES IN THE LEVEL OF GENERAL PRICES, 1871–1903, AS COMPARED WITH STANDARD YEAR 1900.

[Based on the *Report on Wholesale and Retail Prices* in the United Kingdom, (P.P. 321 of 1903), and *Labour Gazette*, February, 1904.]

Year.	Index No. for 45 Articles.	Group I. Coal and Metals. (6 Articles.)	Group II., Textiles (Raw Materials). (6 Articles.)	Group III., Food and Drink (22 Articles.)	Group IV., Miscellaneous Raw Materials.* (10 Articles.)
1871	120·2	65·8	142·9	133·5	134·6
1872	132·9	101·4	162·9	137·1	141·5
1873	142·8	128·2	157·4	144·5	147·4
1874	136·5	104·5	146·6	145·0	145·9
1875	129·6	83·1	143·1	143·3	133·6
1876	125·2	70·6	133·7	142·6	131·8
1877	126·6	65·8	131·0	147·3	131·0
1878	119·4	61·2	126·4	139·1	118·8
1879	114·1	57·1	120·1	134·2	109·7
1880	117·1	62·5	126·6	134·6	120·1
1881	115·0	60·0	124·3	132·7	119·1
1882	116·9	60·4	120·1	136·6	119·9
1883	116·0	59·4	117·1	136·3	117·8
1884	106·1	56·9	114·0	122·0	110·6
1885	99·8	54·0	108·1	113·6	107·9
1886	94·4	51·9	98·6	108·3	99·3
1887	92·2	52·7	101·0	104·5	93·3
1888	95·3	54·6	100·0	109·2	95·6
1889	97·1	61·9	103·4	108·3	100·0
1890	99·5	74·8	104·1	107·6	98·1
1891	101·1	70·2	100·1	113·4	94·3
1892	96·3	65·0	94·4	108·5	91·7
1893	94·6	58·9	95·1	108·3	89·1
1894	90·3	60·4	86·9	102·7	84·4
1895	86·8	56·5	82·4	99·1	84·3
1896	83·9	54·8	91·4	92·7	85·6
1897	85·7	55·6	85·3	96·7	86·0
1898	88·5	61·0	78·3	100·3	89·5
1899	89·5	70·8	81·7	97·7	91·4
1900	**100·0**	**100·0**	**100·0**	**100·0**	**100·0**
1901	95·2	82·1	93·9	100·5	96·5
1902	94·7	75·6	92·9	102·4	93·1
1903	94·4	73·2	101·8	101·0	92·0

* Oils, timber, hides, &c.

IX.—PRICES OF WHEAT AND BREAD, 1800-1903.

MARKET PRICE PER QUARTER OF BRITISH WHEAT IN ENGLAND AND WALES AND RETAIL PRICE PER 4 LBS. OF HOUSEHOLD BREAD IN LONDON AND EDINBURGH.

[The Prices of Wheat are the London Gazette prices as published in the *Agricultural Returns of Great Britain* issued by the Board of Agriculture and Fisheries. The prices of bread are taken from the *Report on Wholesale and Retail Prices* (P.P. 321, of 1903), supplemented by prices given in *Hadyn's Dictionary of Dates* (1904)].

Year.	British Wheat.	Household Bread. London.	Household Bread. Edinburgh.	Year.	British Wheat.	Household Bread. London.	Household Bread. Edinburgh.
	Per quarter. s. d.	Per 4 lbs. d.	Per 4 lbs. d.		Per quarter. s. d.	Per 4 lbs. d.	Per 4 lbs. d.
1800	113 10	15·3	—*	1824	63 11	10·5	9·75
1801	119 6	15·5	—*	1825	68 6	10·5	9·5
1802	69 10	9·5	—*	1826	58 8	9·5	9·5
1803	58 10	8·7	—*	1827	58 6	9·5	9·0
1804	62 3	9·7	—*	1828	60 5	9·5	9·25
1805	89 9	13·1	—*	1829	66 3	10·5	11·25
1806	79 1	11·7	—*	1830	64 3	10·5	9·25
1807	75 4	10·8	—*	1831	66 4	10·0	9·25
1808	81 4	11·6	—*	1832	58 8	10·0	9·25
1809	97 4	13·7	—*	1833	52 11	8·5	7·88
1810	106 5	14·7	—*	1834	46 2	8·0	7·25
1811	95 3	14·0	—*	1835	39 4	7·0	6·25
1812	126 6	17·0	—*	1836	48 6	8·0	6·13
1813	109 9	15·7	—*	1837	55 10	8·5	8·13
1814	74 4	11·4	—*	1838	64 7	10·0	8·75
1815	65 7	10·4	—*	1839	70 8	10·0	9·38
1816	78 6	—*	—*	1840	66 4	10·0	9·38
1817	96 11	—*	—*	1841	64 4	9·0	8·75
1818	86 3	—*	—*	1842	57 3	9·5	8·38
1819	74 6	—*	—*	1843	50 1	7·5	6·63
1820	67 10	10·1	—*	1844	51 3	8·5	6·88
1821	56 1	9·5	—*	1845	50 10	7·5	6·75
1822	44 7	9·5	—*	1846	54 8	8·5	8·0
1823	53 4	10·25	—*	1847	69 9	11·5	8·75

* Figures not available.

IX.—PRICES OF WHEAT AND BREAD, 1800-1903—*continued.*

Year.	British Wheat.	Household Bread. London.	Household Bread. Edinburgh.	Year.	British Wheat.	Household Bread. London.	Household Bread. Edinburgh.
	Per quarter. s. d.	Per 4 lbs. d.	Per 4 lbs. d.		Per quarter. s. d.	Per 4 lbs. d.	Per 4 lbs. d.
1848	50 6	7·5	7·0	1876	46 2	7·15	8·13
1849	44 3	7·0	6·75	1877	56 9	8·13	9·0
1850	40 3	6·75	6·13	1878	46 5	7·50	8·25
1851	38 6	6·75	6·13	1879	43 10	7·13	7·88
1852	40 9	6·75	6·13	1880	44 4	6·98	8·5
1853	53 3	8·3	7·25	1881	45 4	7·04	8·13
1854	72 5	10·5	9·38	1882	45 1	7·38	8·0
1855	74 8	10·75	10·25	1883	41 7	7·00	7·5
1856	69 2	10·75	10·13	1884	35 8	6·78	6·75
1857	56 4	9·0	8·88	1885	32 10	6·23	6·63
1858	44 2	7·5	7·13	1886	31 0	6·25	6·13
1859	43 9	7·75	7·13	1887	32 6	5·63	6·13
1860	53 3	8·75	8·13	1888	31 10	5·69	6·0
1861	55 4	9·0	8·5	1889	29 9	6·02	6·25
1862	55 5	8·5	8·5	1890	31 11	6·00	6·25
1863	44 9	7·5	7·63	1891	37 0	6·21	6·5
1864	40 2	7·0	6·88	1892	30 3	6·23	6·0
1865	41 10	7·5	6·88	1893	26 4	5·75	5·38
1866	49 11	8·75	8·25	1894	22 10	5·48	4·88
1867	64 5	10·25	9·75	1895	23 1	5·08	4·75
1868	63 9	9·25	9·0	1896	26 2	5·09	5·13
1869	48 2	7·75	7·5	1897	30 2	5·50	6·0
1870	46 11	8·00	8·0	1898	34 0	6·02	6·25
1871	56 8	9·00	8·5	1899	25 8	5·09	5·5
1872	57 0	9·75	9·25	1900	26 11	5·23	5·75
1873	58 8	8·0	9·5	1901	26 9	5·00	5·75
1874	55 9	7·25	9·13	1902	28 1	5·28	5·5
1875	45 2	6·83	7·88	1903	26 9	5·585	5·63

X.—RETAIL PRICES.

PERCENTAGE FLUCTUATIONS IN THE RETAIL PRICES OF FOOD IN LONDON, 1877–1903, AS COMPARED WITH STANDARD YEAR 1900.

[Based on the Prices of Nine Principal Articles.*]

(Extracted from *Memoranda on British and Foreign Trade and Industry*, Cd. 1761 of 1903.)

Year.	Percentage.	Year.	Percentage.	Year.	Percentage.
1877	149·0	1886	109·4	1895	94·8
1878	139·6	1887	104·2	1896	90·6
1879	133·3	1888	104·2	1897	97·9
1880	141·7	1889	108·3	1898	104·2
1881	138·5	1890	106·3	1899	96·9
1882	138·5	1891	108·3	**1900**	**100·0**
1883	138·5	1892	108·3	1901	104·2
1884	127·1	1893	102·1	1902	102·2
1885	115·6	1894	99·0	1903	104·4

* Flour, Bread, Potatoes, Beef, Mutton, Bacon, Sugar, Tea, and Butter.

XI.—RETAIL PRICES.

PERCENTAGE FLUCTUATIONS IN THE RETAIL PRICES OF BEEF, MUTTON, BACON, AND BUTTER IN LONDON, 1886-1903, AS COMPARED WITH STANDARD YEAR 1900.

[Based on the figures given in *Report on Wholesale and Retail Prices* (P.P. 321 of 1903).]

Year.	Beef.	Mutton.	Bacon.	Butter.
1886	104·8	117·5	97·8	87·5
1887	98·8	107·9	80·0	96·3
1888	98·8	115·9	75·6	92·6
1889	97·6	120·6	80·0	87·5
1890	96·4	115·9	95·6	92·6
1891	97·6	107·9	97·8	98·5
1892	98·8	104·8	102·2	102·2
1893	95·2	96·8	117·8	103·7
1894	96·4	101·6	100·0	95·6
1895	96·4	96·8	91·1	88·2
1896	94·0	90·5	77·8	95·6
1897	97·6	93·7	100·0	95·6
1898	96·4	92·1	102·2	96·3
1899	101·2	96·8	91·1	101·1
1900	**100·0**	**100·0**	**100·0**	**100·0**
1901	101·2	104·8	111·1	100·0
1902	107·2	100·8	108·9	99·3
1903	101·2	106·3	104·4	97·4

XII.—RETAIL PRICES.

PERCENTAGE FLUCTUATIONS IN THE RETAIL PRICES OF TEA, SUGAR, FLOUR AND BREAD IN LONDON, 1886-1903, AS COMPARED WITH STANDARD YEAR, 1900.

[Based on figures given in *Report on Wholesale and Retail Prices* (P.P. 321, of 1903).]

Year.	Tea.	Bread.	Sugar.	Flour.
1886	120·0	119·5	114·3	105·9
1887	120·0	107·6	100·0	111·8
1888	120·0	108·8	114·3	102·9
1889	120·0	115·1	114·3	114·7
1890	110·0	114·7	100·0	102·9
1891	95·0	118·7	100·0	108·8
1892	95·0	119·1	114·3	120·6
1893	95·0	109·9	100·0	88·2
1894	90·0	104·8	114·3	88·2
1895	90·0	97·1	85·7	79·4
1896	90·0	97·2	100·0	88·2
1897	90·0	105·2	85·7	105·9
1898	90·0	115·1	85·7	126·5
1899	90·0	97·2	100·0	94·1
1900	**100·0**	**100·0**	**100·0**	**100·0**
1901	100·0	95·6	142·9	102·9
1902	100·0	100·9	114·3	102·9
1903	100·0	106·8	114·3	105·9

XIII.—CONSUMPTION.

CONSUMPTION OF CERTAIN DUTIABLE ARTICLES PER HEAD OF POPULATION 1854–1903.

NOTE.—The figures for all the articles except sugar, are taken from the *Statistical Abstracts of the United Kingdom*. The figures for sugar are calculated from the imports less the exports and re-exports.

Year.	Cocoa.	Coffee.	Currants and Raisins.	Tea.	Tobacco.	Sugar (Raw and Refined).	Beer (British).
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	gallons.
1854	0·16	1·35	1·65	2·24	1·10	33·23	—*
1855	0·16	1·29	1·62	2·28	1·09	30·21	—*
1856	0·13	1·25	1·96	2·26	1·16	27·02	—*
1857	0·09	1·22	1·74	2·45	1·16	29·00	—*
1858	0·10	1·24	2·53	2·58	1·20	34·00	—*
1859	0·11	1·20	3·07	2·67	1·21	34·33	—*
1860	0·11	1·23	3·59	2·67	1·22	33·81	—*
1861	0·12	1·21	3·50	2·69	1·20	34·94	—*
1862	0·12	1·18	3·75	2·70	1·21	35·09	—*
1863	0·13	1·11	4·10	2·90	1·27	34·91	—*
1864	0·13	1·06	3·91	3·00	1·29	36·35	—*
1865	0·13	1·02	4·12	3·29	1·31	39·15	—*
1866	0·14	1·02	3·96	3·42	1·35	40·48	—*
1867	0·14	1·04	3·96	3·68	1·35	42·53	—*
1868	0·17	1·00	4·24	3·52	1·35	41·01	—*
1869	0·19	0·94	4·19	3·63	1·35	41·43	—*
1870	0·20	0·98	4·03	3·81	1·34	45·11	—*
1871	0·23	0·97	4·38	3·92	1·36	43·97	—*
1872	0·24	0·98	4·74	4·01	1·37	45·10	—*
1873	0·26	0·99	4·29	4·11	1·41	49·07	—*
1874	0·27	0·96	4·48	4·23	1·44	53·07	—*
1875	0·30	0·98	4·28	4·43	1·46	59·35	—*
1876	0·31	0·99	4·71	4·49	1·46	53·06	—*
1877	0·30	0·96	4·16	4·50	1·49	60·98	—*

* Cannot be stated.

XIII.—CONSUMPTION.—*continued.*

Year.	Cocoa.	Coffee.	Currants and Raisins.	Tea.	Tobacco.	Sugar (Raw and Refined).	Beer (British).
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	gallons.
1878	0·29	0·97	4·47	4·64	1·44	55·14	—*
1879	0·29	0·99	4·27	4·68	1·40	63·03	—*
1880	0·30	0·92	3·92	4·57	1·42	60·28	—*
1881	0·31	0·89	4·34	4·58	1·41	64·44	27·79
1882	0·34	0·89	4·33	4·69	1·42	67·31	27·63
1883	0·36	0·89	4·49	4·82	1·43	68·42	27·25
1884	0·39	0·90	4·41	4·90	1·45	69·60	27·80
1885	0·41	0·91	4·16	5·06	1·46	71·84	27·09
1886	0·42	0·87	4·07	4·92	1·44	64·05	26·90
1887	0·44	0·80	4·40	5·02	1·45	72·00	27·27
1888	0·53	0·83	4·42	5·03	1·48	69·02	27·21
1889	0·55	0·76	4·11	4·99	1·51	74·92	28·88
1890	0·60	0·75	4·70	5·17	1·55	71·09	30·00
1891	0·63	0·76	4·82	5·35	1·61	78·01	30·16
1892	0·61	0·74	4·58	5·43	1·64	75·15	29·75
1893	0·60	0·69	5·01	5·40	1·62	75·49	29·55
1894	0·64	0·68	4·90	5·51	1·66	76·92	29·41
1895	0·69	0·70	4·96	5·65	1·66	85·15	29·58
1896	0·70	0·69	4·93	5·75	1·72	82·20	30·79
1897	0·90	0·68	4·78	5·79	1·75	78·12	31·29
1898	0·95	0·68	4·81	5·83	1·82	82·73	31·76
1899	0·96	0·71	4·81	5·95	1·88	82·08	32·53
1900	1·08	0·71	3·70	6·07	1·95	85·53	31·56
1901	1·20	0·76	4·09	6·16	1·89	87·49	30·77
1902	1·28	0·68	4·77	6·06	1·92	82·04	30·24
1903	1·20	0·73	4·52	6·03	1·97	79·60	29·95

* Cannot be stated.

XIV.—CONSUMPTION.

CONSUMPTION OF WHEAT (INCLUDING FLOUR) IN UNITED KINGDOM, 1853-1903.

[Based on the figures given in Lawes & Gilbert's "Home Produce, Imports, Consumption, &c., of Wheat, 1852-1892" (*Journal of Royal Agricultural Society*, Vol. IV., 3rd Series, 1893), in the *Agricultural Returns* of Great Britain and Ireland, and in the *Annual Statements of Trade.*]

Year.	Net Consumption of Home Grown Wheat.	Net Consumption of Imported Wheat and Flour.	Total.
	Thousand Bushels.	Thousand Bushels.	Thousand Bushels.
1853	81,774	50,706	132,480
1854	94,812	36,364	131,176
1855	122,679	25,944	148,623
1856	103,637	42,258	145,895
1857	113,607	32,701	146,308
1858	128,548	44,226	172,774
1859	114,069	40,870	154,939
1860	91,908	60,696	152,604
1861	81,341	69,209	150,550
1862	95,824	95,108	190,932
1863	115,661	58,638	174,299
1864	132,680	54,724	187,404
1865	117,577	49,148	166,725
1866	97,942	55,981	153,923
1867	79,068	73,522	152,590
1868	88,420	68,363	156,783
1869	118,259	84,217	202,476
1870	99,833	67,131	166,964
1871	90,495	81,752	172,247
1872	83,332	89,588	172,920
1873	79,291	95,912	175,203
1874	84,198	92,055	176,253
1875	94,858	112,572	207,430
1876	72,313	96,862	169,175
1877	74,257	118,644	192,901
1878	84,850	111,708	196,558
1879	75,910	137,944	213,854
1880	48,610	128,475	177,085

XIV.—CONSUMPTION—*continued.*

Year.	Net Consumption of Home Grown Wheat.	Net Consumption of Imported Wheat and Flour.	Total.
	Thousand Bushels.	Thousand Bushels.	Thousand Bushels.
1881	66,417	134,486	200,903
1882	67,663	151,236	218,899
1883	73,663	160,595	234,258
1884	72,012	124,920	196,932
1885	74,950	154,183	229,133
1886	68,200	124,197	192,397
1887	61,777	149,395	211,172
1888	69,416	149,504	218,920
1889	68,730	146,238	214,968
1890	69,734	152,758	222,492
1891	69,596	165,744	235,340
1892	64,567	176,421	240,988
1893	52,436	173,319	225,755
1894	49,441	179,362	228,803
1895	48,952	199,061	248,013
1896	40,057	184,417	224,474
1897	51,852	164,643	216,495
1898	56,319	174,371	230,690
1899	66,289	181,313	247,602
1900	56,772	182,547	239,319
1901	47,873	187,243	235,116
1902	49,519	200,986	250,505
1903	48,826	217,535	266,361

NOTE.—Wheat flour is expressed throughout in wheat on the assumption that 72 of flour = 100 of wheat.

Exported bread and biscuit is allowed for on the assumption that 75 per cent. is flour.

The allowance for seed in the case of British wheat is 2¼ bushels per acre from 1853 to 1886 and 2 bushels per acre for subsequent years.

XV.—EXPENDITURE AND CONSUMPTION.

WEEKLY EXPENDITURE ON, AND CONSUMPTION OF, MEAT (BEEF, MUTTON, PORK, AND BACON) AND BREAD AND FLOUR BY (1) AGRICULTURAL LABOURERS' FAMILIES, AND (2) URBAN WORKMEN'S FAMILIES.

[Extracted from *Memoranda on British and Foreign Trade and Industry*, Cd. 1761 of 1903.]

(1.) Agricultural Labourers' Families.

Articles.	Northern Counties.	Midland Counties.	Eastern Counties.	Southern and South Western Counties.	General Average for England.
	Quantity consumed Weekly.				
Bread and flour	lbs. 28·00	lbs. 34·00	lbs. 37·50	lbs. 38·00	lbs. 34·38
Meat (beef, mutton, pork, and bacon).	8·25	8·06	5·81	6·56	7·17
Total	36·25	42·06	43·31	44·56	42·55
	Weekly Cost.				
Bread and flour	*s. d.* 2 10¾	*s. d.* 3 0¾	*s. d.* 3 10	*s. d.* 3 10¼	*s. d.* 3 5
Meat (beef, mutton, pork, and bacon).	5 2½	4 9¾	3 2	3 5½	4 2
Total	8 1¼	7 10½	7 0	7 3¾	7 7

(2.) Urban Workmen's Families.

Articles.	Weekly Income.				
	Under 25s.	25s. and under 30s.	30s. and under 35s.	35s. and under 40s.	All Incomes.
	Quantity consumed Weekly.				
Bread and flour	lbs. 32·17	lbs. 32·34	lbs. 33·23	lbs. 29·96	lbs. 32·06
Meat (beef, mutton, pork, and bacon).	7·42	8·24	9·88	9·89	9·10*
Total	39·59	40·58	43·11	39·85	41·16
	Weekly Cost.				
Bread and flour	*s. d.* 3 6	*s. d.* 3 7	*s. d.* 3 8	*s. d.* 3 4¾	*s. d.* 3 6½
Meat (beef, mutton, pork, and bacon).	4 8¾	5 7¼	6 11¾	7 1½	6 3¾
Total	8 2¾	9 2¼	10 7¾	10 6¼	9 10¼

* Of this quantity about 1·3 lbs. consists of bacon.

XVI.—PAUPERISM.

NUMBER OF PAUPERS PER 1000 OF POPULATION, 1855–1902.

[Based on the *Reports of the Local Government Boards of England, Scotland and Ireland.*]

Year.	United Kingdom. *All Paupers* per 1000.	England and Wales. *Able-bodied* Paupers per 1000.	Year.	United Kingdom. *All Paupers* per 1000.	England and Wales. *Able-bodied* Paupers per 1000.
1855	39·9	8·2	1879	29·3	4·6
1856	37·9	7·4	1880	29·2	4·1
1857	38·4	8·0	1881	28·7	3·9
1858	36·4	7·0	1882	28·2	3·8
1859	35·3	6·7	1883	27·5	3·5
1860	36·5	7·3	1884	27·2	3·6
1861	37·8	7·7	1885	27·3	3·7
1862	43·3	10·9	1886	28·0	3·7
1863	41·1	9·1	1887	27·6	3·7
1864	38·6	7·7	1888	27·2	3·5
1865	37·1	6·9	1889	26·3	3·2
1866	37·3	6·9	1890	25·5	3·1
1867	39·2	7·7	1891	24·9	3·2
1868	40·0	7·8	1892	24·9	3·4
1869	40·1	7·9	1893	25·5	3·5
1870	39·7	7·7	1894	25·5	3·5
1871	37·3	6·6	1895	25·8	3·5
1872	34·0	5·4	1896	25·5	3·3
1873	31·8	4·8	1897	25·3	3·2
1874	30·5	4·6	1898	25·8	3·4
1875	28·4	4·0	1899	24·3	3·0
1876	27·1	3·7	1900	23·8	2·8
1877	27·1	3·7	1901	24·1	2·9
1878	28·0	4·2	1902	24·4	3·0

XVII.—FOREIGN TRADE.

IMPORTS AND EXPORTS, 1854–1903.

[Based on the *Annual Statements of Trade of the United Kingdom.*]

Year.	Imports.		Exports.	
	Total Imports.	Total Imports for Home Consumption.	Total Exports.*	Total Exports of British and Irish Produce.
	Millions of £.	Millions of £.	Millions of £.	Millions of £.
1854	152	133	116	97
1855	143	122	117	96
1856	172	149	139	116
1857	188	164	146	122
1858	164	141	140	117
1859	179	154	156	130
1860	210	181	165	136
1861	217	182	160	125
1862	226	184	166	124
1863	249	199	197	147
1864	275	223	213	160
1865	271	218	219	166
1866	295	245	239	189
1867	275	230	226	181
1868	295	247	228	179
1869	295	248	237	190
1870	303	259	244	200
1871	331	270	284	223
1872	355	297	315	256
1873	371	315	311	255
1874	370	312	298	240
1875	374	316	282	223
1876	375	319	257	201
1877	394	340	252	199
1878	369	317	245	193
1879	363	306	249	192

* Including Re-exports.

XVII.—FOREIGN TRADE—*continued.*

Year.	Imports.		Exports.	
	Total Imports.	Total Imports for Home Consumption.	Total Exports.*	Total Exports of British and Irish Produce.
	Millions of £.	Millions of £.	Millions of £.	Millions of £.
1880	411	348	286	223
1881	397	334	297	234
1882	413	348	306	242
1883	427	362	305	240
1884	390	327	296	233
1885	371	313	271	213
1886	350	294	269	213
1887	362	303	281	222
1888	388	324	298	234
1889	427	360	316	249
1890	421	356	328	263
1891	435	373	309	247
1892	424	360	291	227
1893	405	346	277	218
1894	408	350	274	216
1895	417	357	286	226
1896	442	386	296	240
1897	451	391	294	234
1898	471	410	294	233
1899	485	420	320	255
1900	523	460	346	283
1901	522	454	339	271
1902	528	462	343	277
1903	543	473	356	287

* Including Re-exports.

XVIII.—SHIPPING AND RAILWAY TRAFFIC, 1854–1903.

[The figures relating to Shipping are taken from the *Statistical Abstracts of the United Kingdom*, those relating to Railway Traffic from the *Railway Returns of the United Kingdom.*

Year.	Tonnage of British and Foreign Vessels (Sailing and Steam) Entered and Cleared with Cargoes only, in the Foreign trade, at Ports in the United Kingdom.		Railway Goods Traffic Receipts.
	Tonnage Entered.	Tonnage Cleared.	
			Million £
1854	7,899,742	7,870,536	10·0
1855	7,018,468	8,348,664	10·8
1856	8,241,664	9,661,334	11·8
1857	8,731,806	10,339,573	12·3
1858	8,817,537	9,942,424	12·3
1859	9,090,643	10,243,963	13·2
1860	10,054,981	10,782,937	14·7
1861	10,605,179	11,319,804	15·2
1862	10,740,808	11,709,849	15·2
1863	11,137,358	11,887,805	16·6
1864	11,302,110	12,172,774	18·3
1865	12,158,694	12,827,151	19·3
1866	13,277,190	14,010,094	20·8
1867	13,341,448	14,847,581	21·5
1868	13,851,657	15,473,019	*
1869	14,486,700	15,916,984	22·3
1870	14,910,742	16,713,938	24·1
1871	16,455,342	19,047,455	26·5
1872	17,905,940	19,248,352	29·0
1873	18,795,057	19,139,365	31·8
1874	19,081,406	19,753,487	32·0
1875	19,039,928	20,413,739	33·3
1876	21,026,671	21,510,713	33·8
1877	22,131,624	21,195,356	34·1
1878	21,318,246	21,581,688	33·6

* Figures not available.

XVIII.—SHIPPING AND RAILWAY TRAFFIC, 1854–1903—*continued.*

Year.	Tonnage of British and Foreign Vessels (Sailing and Steam) Entered and Cleared with Cargoes only, in the Foreign trade, at Ports in the United Kingdom.		Railway Goods Traffic Receipts.
	Tonnage Entered.	Tonnage Cleared.	
			Million £.
1879	21,099,344	22,849,357	33·5
1880	23,993,280	25,685,670	35·8
1881	23,224,708	26,336,693	36·4
1882	24,815,049	27,698,863	37·7
1883	26,310,318	29,373,160	38·7
1884	24,696,685	29,273,662	37·7
1885	25,664,460	29,317,731	36·8
1886	24,683,229	29,107,640	36·4
1887	25,999,810	30,170,637	37·3
1888	27,077,182	31,664,440	38·8
1889	28,517,820	33,048,881	41·1
1890	28,978,992	33,857,083	42·2
1891	28,100,784	34,213,440	43·2
1892	29,529,869	33,943,825	42·9
1893	28,795,736	32,952,451	41·0
1894	31,141,126	35,777,732	43·4
1895	31,358,173	36,272,486	44·0
1896	33,479,592	37,703,295	46·2
1897	34,636,151	39,308,276	47·9
1898	34,515,804	39,462,642	49·2
1899	36,225,876	42,988,320	52·1
1900	36,186,328	43,671,816	53·5
1901	36,337,835	43,317,705	53·0
1902	37,904,313	44,802,088	54·7
1903	39,903,017	47,399,966	55·1

XIX.—PRODUCTION AND CONSUMPTION.

PRODUCTION AND CONSUMPTION OF COAL AND PIG IRON, 1854–1902.

[Taken from the *Annual Reports on Mines and Quarries.*]

Year.	Coal.		Pig Iron.	
	Quantity Produced.	Total Consumption.	Quantity Produced.	Total Consumption.
	Millions of Tons.	Millions of Tons.	Millions of Tons.	Millions of Tons.
1854	65	—*	3·1	2·8
1855	61	—*	3·2	2·9
1856	67	—*	3·6	3·2
1857	65	—*	3·7	3·3
1858	65	—*	3·5	3·1
1859	72	—*	3·7	3·4
1860	80	—*	3·8	3·5
1861	84	—*	3·7	3·3
1862	82	—*	3·9	3·5
1863	86	—*	4·5	4·0
1864	93	—*	4·8	4·4
1865	98	—*	4·8	4·3
1866	102	—*	4·5	4·0
1867	105	—*	4·8	4·3
1868	103	—*	5·0	4·5
1869	107	—*	5·4	4·7
1870	110	—*	6·0	5·3
1871	117	—*	6·6	5·6
1872	123	—*	6·7	5·5
1873	127	113	6·6	5·6
1874	125	109	6·0	5·3
1875	132	115	6·4	5·5
1876	133	114	6·6	5·7
1877	135	115	6·6	5·8
1878	133	113	6·4	5·5
1879	134	113	6·0	4·8
1880	147	123	7·7	6·2
1881	154	129	8·1	6·7

* Cannot be stated.

XIX.—PRODUCTION AND CONSUMPTION—*continued.*

Year.	Coal.		Pig Iron.	
	Quantity Produced.	Total Consumption.	Quantity Produced.	Total Consumption.
	Millions of Tons.	Millions of Tons.	Millions of Tons.	Millions of Tons.
1882	156	130	8·6	6·9
1883	164	134	8·5	7·0
1884	161	131	7·8	6·6
1885	159	129	7·4	6·5
1886	158	127	7·0	6·0
1887	162	130	7·6	6·5
1888	170	135	8·0	7·0
1889	177	140	8·3	7·2
1890	182	143	7·9	6·8
1891	185	145	7·4	6·6
1892	182	142	6·7	6·0
1893	184	127	7·0	6·2
1894	188	146	7·4	6·6
1895	190	147	7·7	6·9
1896	195	151	8·7	7·7
1897	202	154	8·8	7·7
1898	202	154	8·6	7·7
1899	220	164	9·4	8·2
1900	225	167	9·0	7·7
1901	219	161	7·9	7·3
1902	227	167	8·7	7·8

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY.

XX.—PRODUCTION AND CONSUMPTION.

CONSUMPTION OF RAW COTTON AND WOOL, AND TONNAGE OF SHIPS BUILT, 1854–1902.

Year.	Raw Cotton.	Raw Wool.	Net Tonnage of Ships Built.
	Million Cwts.	Million Cwts.	1,000 tons.
1854	6·9	—*	—*
1855	7·5	—*	350
1856	8·0	—*	249
1857	7·4	—*	287
1858	8·1	—*	237
1859	8·7	—*	213
1860	9·7	—*	226
1861	9·0	—*	208
1862	4·0	—*	262
1863	4·6	—*	378
1864	5·0	—*	461
1865	6·4	—*	448
1866	8·0	2·8	380
1867	8·5	2·7	306
1868	8·9	2·8	362
1869	8·4	2·7	388
1870	9·6	2·9	394
1871	10·8	3·0	391
1872	10·5	2·9	475
1873	11·1	3·2	454
1874	11·3	3·3	684
1875	11·0	3·1	472
1876	11·4	3·3	378
1877	11·0	3·3	451
1878	10·5	3·1	471
1879	10·5	2·9	406
1880	12·3	3·3	473
1881	12·9	2·9	609
1882	13·0	3·2	783

* Cannot be stated.

XX.—PRODUCTION AND CONSUMPTION—*continued.*

Year.	Raw Cotton.	Raw Wool.	Net Tonnage of Ships Built.
	Million Cwts.	Million Cwts.	1,000 tons.
1883	13·4	3·0	892
1884	13·1	3·4	588
1885	11·9	3·3	441
1886	13·1	3·7	332
1887	13·3	3·5	377
1888	13·6	3·9	574
1889	13·7	4·2	855
1890	14·8	3·8	813
1891	14·9	4·3	809
1892	13·6	4·2	801
1893	13·2	4·3	585
1894	14·4	4·5	669
1895	14·6	4·6	648
1896	14·7	4·6	737
1897	14·5	4·4	645
1898	15·5	5·1	871
1899	15·7	4·7	949
1900	14·5	4·5	944
1901	14·7	4·8	983
1902	14·6	4·4	950

NOTE.—The figures for the estimated total consumption of cotton in the United Kingdom are taken from Ellison and Co.'s circulars, those for Wool from Helmuth Schwartze and Co.'s Annual Reports.

The figures relating to ships built are from the *Annual Statements of Navigation and Shipping*. They include all merchant vessels, and also war vessels built for foreigners, but not war vessels for the British Navy.

XXI.—TRADE DISPUTES.

NUMBER OF WORKPEOPLE DIRECTLY AND INDIRECTLY AFFECTED, AND AGGREGATE DURATION OF TRADE DISPUTES IN WORKING DAYS, 1894–1903.

[Extracted from the *Annual Reports on Strikes and Lock-Outs* issued by the Board of Trade.]

Year.	Number of Workpeople Directly and Indirectly Affected.	Aggregate Duration in Working Days.
1894	325,248	9,529,010
1895	263,123	5,724,670
1896	198,190	3,746,368
1897	230,267	10,345,523
1898	253,907	15,289,478
1899	180,217	2,516,416
1900	188,538	3,152,694
1901	179,546	4,142,287
1902	256,667	3,479,255
1903	116,901	2,338,668

XXII.—TRADE DISPUTES.

NUMBER OF WORKPEOPLE DIRECTLY AFFECTED BY TRADE DISPUTES, CLASSIFIED BY TRADES, CAUSES, AND RESULTS. MEAN OF TEN YEARS, 1894–1903.

[Based on the *Annual Reports on Strikes and Lock-Outs* issued by the Board of Trade.]

Trades.		Causes.		Results.	
Name of Trade.	Numbers affected.	Description of Cause.	Numbers affected.	Nature of Result.	Numbers affected.
Building	13,918	Wages	100,592	In favour of Workpeople	42,636
Mining and Quarrying	72,921	Hours of Labour ...	6,816		
Metal, Engineering and Shipbuilding.	24,328	Employment of particular Classes of Persons.	12,479	In favour of Employers.	63,681
Textile	23,650				
Clothing	7,726	Working Arrangements.	22,985	Compromised ...	47,331
Transport	6,999	Trade Unionism ...	11,151		
Miscellaneous	7,787	Other Causes	3,306	Indefinite or unsettled.	3,681
TOTAL ...	157,329	TOTAL ...	157,329	TOTAL ...	157,329

XXIII.—TRADE UNIONS.

MEMBERSHIP OF ALL TRADE UNIONS, 1893–1902.

MEMBERSHIP in EACH YEAR, 1893–1902, and MEAN for PERIOD, CLASSIFIED by TRADES.

[The figures for 1893–1901 are extracted from the Board of Trade *Report on Trade Unions in* 1901, those for 1902 from the *Labour Gazette*, October, 1903.]

Year.	Building Trades.	Mining and Quarrying.	Metal-Engineering and Ship-building.	Textile Trades.	Clothing Trades.	Transport Trades.	Other Trades.	Total (All Trades).
1893 ...	172,870	320,569	268,308	207,034	80,451	141,731	291,297	1,482,260
1894 ...	178,721	310,076	265,963	216,062	81,424	123,535	264,365	1,440,146
1895 ...	179,280	282,800	269,811	219,498	78,177	120,112	260,974	1,410,652
1896 ...	193,341	282,532	305,298	218,168	76,599	134,533	286,581	1,497,052
1897 ...	214,929	285,674	321,975	219,060	75,474	183,537	315,244	1,615,893
1898 ...	232,126	357,505	311,961	214,682	70,794	147,733	317,192	1,651,993
1899 ...	249,965	429,643	335,540	220,829	66,959	163,401	340,552	1,806,889
1900 ...	253,270	508,606	341,972	221,052	67,351	171,292	352,170	1,915,713
1901 ...	248,648	518,077	338,432	219,403	65,954	167,460	369,978	1,927,952
1902 ...	244,944	520,437	336,836	222,590	64,272	156,351	370,076	1,915,506
Mean 1893–1902	216,809	381,592	309,610	217,838	72,745	150,969	316,843	1,666,406

XXIV.—TRADE UNIONS.

ANALYSIS OF EXPENDITURE OF TRADE UNIONS, 1893–1902.

EXPENDITURE on DISPUTES, WORKING EXPENSES, and EACH CLASS of FRIENDLY BENEFIT BY 100 PRINCIPAL TRADE UNIONS for EACH YEAR, and MEAN for PERIOD.

[The figures for 1893–1901 are extracted from the Board of Trade *Report on Trade Unions in* 1901, those for 1902 from the *Labour Gazette*, October, 1903.]

Year.	Dispute.	Un-employed.	Sick and Accident.	Super-annuation.	Funeral.	Other Benefits and Grants.	Working and other Expenses.	Total Expenditure.
	£	£	£	£	£	£	£	£
1893 ...	574,583	457,858	241,818	110,458	74,603	122,145	257,653	1,839,118
1894 ...	167,645	447,246	229,825	119,862	69,091	116,254	277,710	1,427,633
1895 ...	197,246	415,543	263,141	129,254	75,131	48,610	253,112	1,382,037
1896 ...	171,218	261,393	246,043	139,796	74,343	60,498	272,328	1,225,619
1897 ...	659,126	327,736	267,999	149,401	78,499	114,171	315,149	1,912,081
1898 ...	328,511	239,112	279,093	160,842	82,710	102,018	306,490	1,498,776
1899 ...	119,503	187,335	302,897	175,720	92,280	68,555	324,383	1,270,673
1900 ...	148,568	260,659	323,963	186,543	98,046	90,147	359,656	1,467,582
1901 ...	204,603	324,868	345,551	199,606	98,718	98,894	379,870	1,652,110
1902 ...	216,494	420,911	364,820	219,109	98,350	97,843	397,200	1,814,727
Mean, 1893–1902	278,750	334,266	286,515	159,059	84,177	91,914	314,355	1,549,036

XXV.—CO-OPERATION.

CO-OPERATIVE DISTRIBUTION AND PRODUCTION IN 1902.

[Based on Returns furnished to the Labour Department of the Board of Trade.]

(A). Sales of Wholesale and Retail Distributive Societies.

	£
Wholesale Distributive Societies	24,689,000
Retail Distributive Societies	55,487,000

(B). Value of Goods Produced classified by

(1) *Form of Society.*—

	£
Productive Departments of Retail Distributive Societies ...	5,262,000
Societies for Production, not including Corn Milling	2,757,000
Societies for Corn Milling	1,304,000
Productive Departments of Wholesale Distributive Societies ...	5,100,000

(2) *Nature of Industry.*—

Corn and Meal Milling...	3,495,000
Dairying, Farming, and Fishing	1,509,000
Clothing	1,128,000
Boots and Shoes...	1,442,000
Textile	504,000
Building	459,000
Other Industries...	587,000
Soap and Candle Making	388,000
Tobacco	523,000
Other Foods	570,000
Breadmaking, Preserves, Pickles, and Confectionery	3,818,000

XXVI.—CO-OPERATION.

GROWTH OF CO-OPERATION, 1862–1902.

[The figures for the years 1862–1899 are taken from the Board of Trade *Report on Workmen's Co-operative Societies*, Cd. 698 of 1901, those for 1900–1901 from the *Ninth Annual Abstract of Labour Statistics*, Cd. 1755 of 1903. The figures for 1902 are from Returns made to the Labour Department of the Board of Trade.]

Year.	Sales.	Share and Loan Capital.	Membership.
	£	£	
1862	2,258,358	415,163	88,948
1863	2,563,681	569,322	109,546
1864	2,724,760	668,569	127,673
1865	3,239,952	818,906	122,886
1866	4,320,831	1,051,897	142,258
1867	5,780,266	1,498,557	168,975
1868	7,122,360	1,889,349	211,781
1869	7,353,363	1,995,726	229,861
1870	7,542,023	2,118,027	243,785
1871	8,660,811	2,412,790	255,782
1872	12,086,228	3,217,545	323,609
1873	14,535,369	3,891,162	378,865
1874	15,152,135	4,274,168	402,946
1875	17,242,055	4,857,688	465,663
1876	18,559,471	5,734,682	493,100
1877	20,146,014	6,224,477	515,359
1878	19,751,479	6,488,350	545,470
1879	18,514,299	6,563,107	552,305
1880	21,435,942	7,117,441	586,211

XXVI.—CO-OPERATION—*continued.*

Year.	Sales.	Share and Loan Capital.	Membership.
	£	£	
1881	23,232,879	7,779,000	625,682
1882	24,156,818	8,005,044	623,202
1883	25,696,547	8,395,983	647,176
1884	27,011,064	9,008,099	717,301
1885	27,463,466	9,956,689	768,401
1886	28,820,933	10,620,275	796,951
1887	30,244,565	11,299,095	851,157
1888	33,632,282	11,876,902	891,077
1889	36,914,730	12,694,602	957,763
1890	38,656,495	13,953,636	985,096
1891	44,460,726	15,291,537	1,069,480
1892	47,163,066	16,611,934	1,153,916
1893	46,851,623	17,188,064	1,198,499
1894	46,946,553	18,047,793	1,245,066
1895	49,926,781	19,705,979	1,311,143
1896	54,431,922	21,138,347	1,399,891
1897	59,660,828	22,859,858	1,511,423
1898	63,409,972	24,251,756	1,593,600
1899	67,915,937	26,365,482	1,677,018
1900	75,528,900	28,965,747	1,778,799
1901	80,198,654	31,114,424	1,871,040
1902	84,237,365	32,876,542	1,984,309

XXVII.—FATAL INDUSTRIAL ACCIDENTS.

MEAN ANNUAL DEATH-RATE FROM INDUSTRIAL ACCIDENTS PER 10,000 EMPLOYED, IN PRINCIPAL TRADES, IN 1898–1902.*

[Based on the figures published in the *Annual Abstracts of Labour Statistics.*]

Trade or Occupation.	Accident Death-rate per 10,000 employed.
Seamen	64·5
Coal Miners	12·9
Quarrymen*	12·0
Metal Miners	11·0
Railway Servants...	9·6
Factory Operatives :—	
Chemical, &c. (including Explosives), and Gas Workers.	3·9
Metal Workers, Shipbuilders, Machine Makers, &c.	3·2
Saw Mill Workers and Carpenters	2·7
Glass, Clay, Stone, &c., Workers	2·4
Food, Drink, &c., Factory Operatives	2·1
Textile Operatives	0·6
Other Factory Operatives	1·0
All Factory Operatives (as given above)	1·9
MEAN ANNUAL ACCIDENT DEATH-RATE FOR ALL OCCUPATIONS GIVEN ABOVE.	7·0

* The mean rate for Quarrymen is for the Years 1899–1902.

XXVIII.—FATAL INDUSTRIAL ACCIDENTS.

NUMBER KILLED AMONG PRINCIPAL CLASSES OF WORKPEOPLE, 1880–1903.

[Based on the figures published in the *Annual Abstracts of Labour Statistics*, and in the *Labour Gazette.*]

Year.	Seamen.	Coal Miners.	Railway Servants (including Contractors' Servants).	Factory and Workshop Operatives.	Metal Miners.	Quarry-men.†	Miscellan-eous.‡
1880	—*	1,318	580	455	84	—	—
1881	—*	954	562	409	99	—	—
1882	—*	1,126	580	444	92	—	—
1883	—*	1,054	602	401	86	—	—
1884	—*	942	585	403	56	—	—
1885	1,993	1,150	470	379	64	—	—
1886	2,091	953	459	316	65	—	—
1887	2,377	995	456	368	56	—	—
1888	2,312	906	442	386	72	—	—
1889	2,198	1,112	476	443	64	—	—
1890	2,188	1,194	536	484	46	—	—
1891	2,257	1,005	603	420	51	—	—
1892	2,062	1,016	575	426	52	—	—
1893	2,155	1,060	516	422	65	—	—
1894	2,348	1,127	522	448	46	—	—
1895	2,235	1,042	489	455	54	—	—
1896	2,053	1,025	490	490	40	124	164
1897	1,642	930	566	516	49	123	204
1898	1,705	908	542	577	33	134	206
1899	1,915	916	584	681	56	117	265
1900	1,774	1,012	631	813	38	127	302
1901	1,703	1,101	565	782	30	98	328
1902	1,509	1,024	485	850	29	119	322
1903	—*	1,067	485	748	25	88	355

* Cannot be stated.
† The Quarries Act, under which the accidents are reported, came into operation in 1895.
‡ Deaths returned under the Factory Act, 1895 (Secs. 22 and 23), and the Notice of Accidents Act, 1894.

POPULATION OF UNITED KINGDOM.

ESTIMATED POPULATION AT THE MIDDLE OF EACH OF THE YEARS 1853–1903.

[Extracted from the *Annual Reports of the Registrar General of Births, Deaths, and Marriages in England.*]

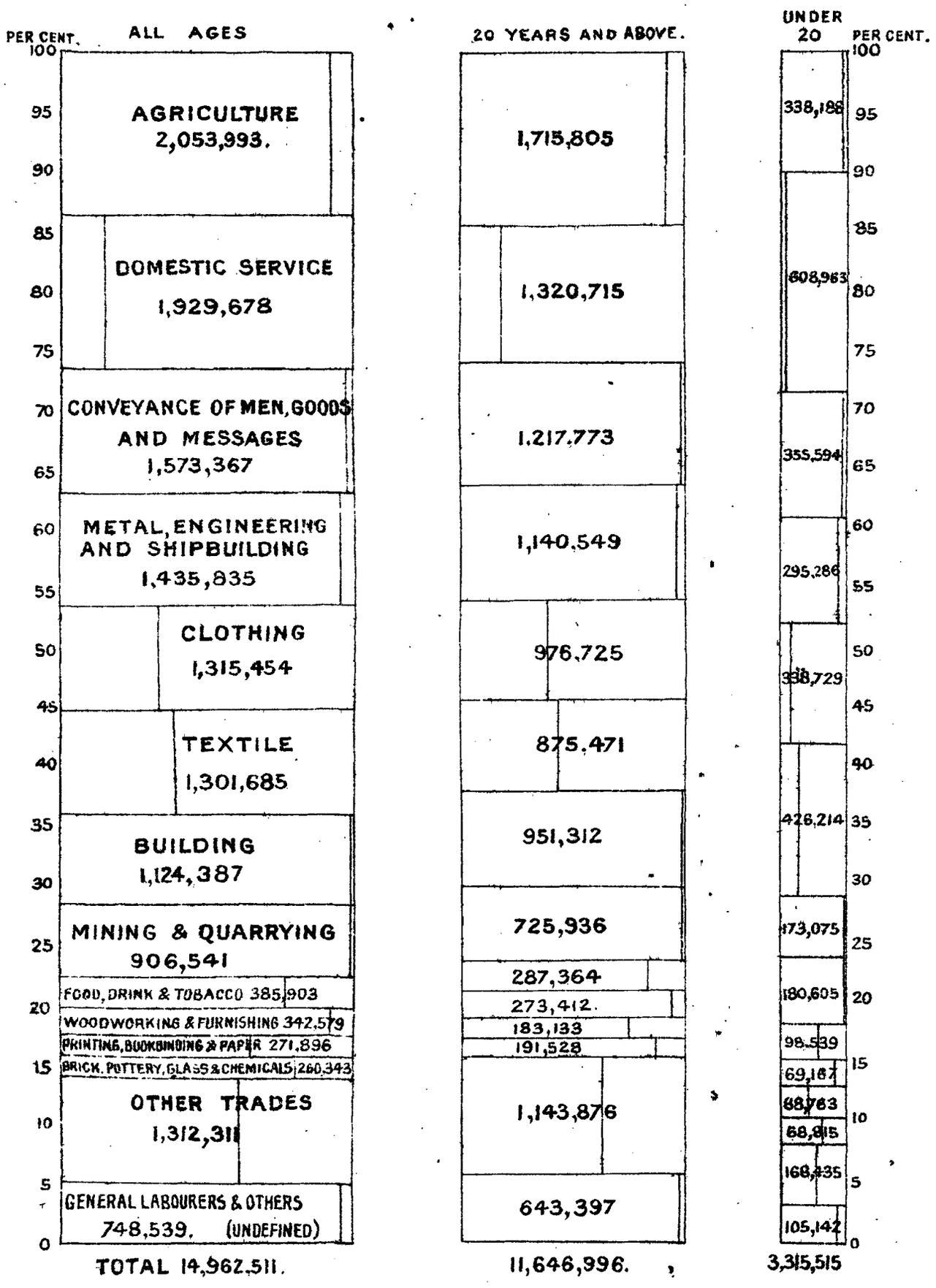
Years.	Population.	Years.	Population.
1853	27,542,588	1879	34,302,557
1854	27,658,704	1880	34,622,930
1855	27,821,730	1881	34,934,476
1856	28,011,034	1882	35,206,617
1857	28,188,280	1883	35,449,721
1858	28,389,770	1884	35,724,231
1859	28,590,224	1885	36,015,601
1860	28,778,411	1886	36,313,582
1861	28,977,133	1887	36,599,143
1862	29,243,610	1888	36,881,271
1863	29,470,969	1889	37,178,929
1864	29,680,437	1890	37,484,764
1865	29,925,177	1891	37,802,381
1866	30,147,755	1892	38,133,817
1867	30,409,132	1893	38,489,806
1868	30,689,977	1894	38,858,306
1869	30,978,278	1895	39,220,114
1870	31,256,535	1896	39,597,843
1871	31,555,694	1897	39,985,831
1872	31,874,183	1898	40,379,095
1873	32,177,550	1899	40,772,365
1874	32,501,517	1900	41,152,471
1875	32,838,758	1901	41,550,773
1876	33,199,994	1902	41,961,212
1877	33,575,941	1903	42,372,556
1878	33,943,773		

LONDON:
PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY DARLING & SON, LTD., 34-40, BACON STREET, E.

1904.

OCCUPATIONS.

NUMBER OF PERSONS OCCUPIED IN CERTAIN GROUPS OF TRADES 1901.



WHITE = FEMALES.
COLOURS = MALES

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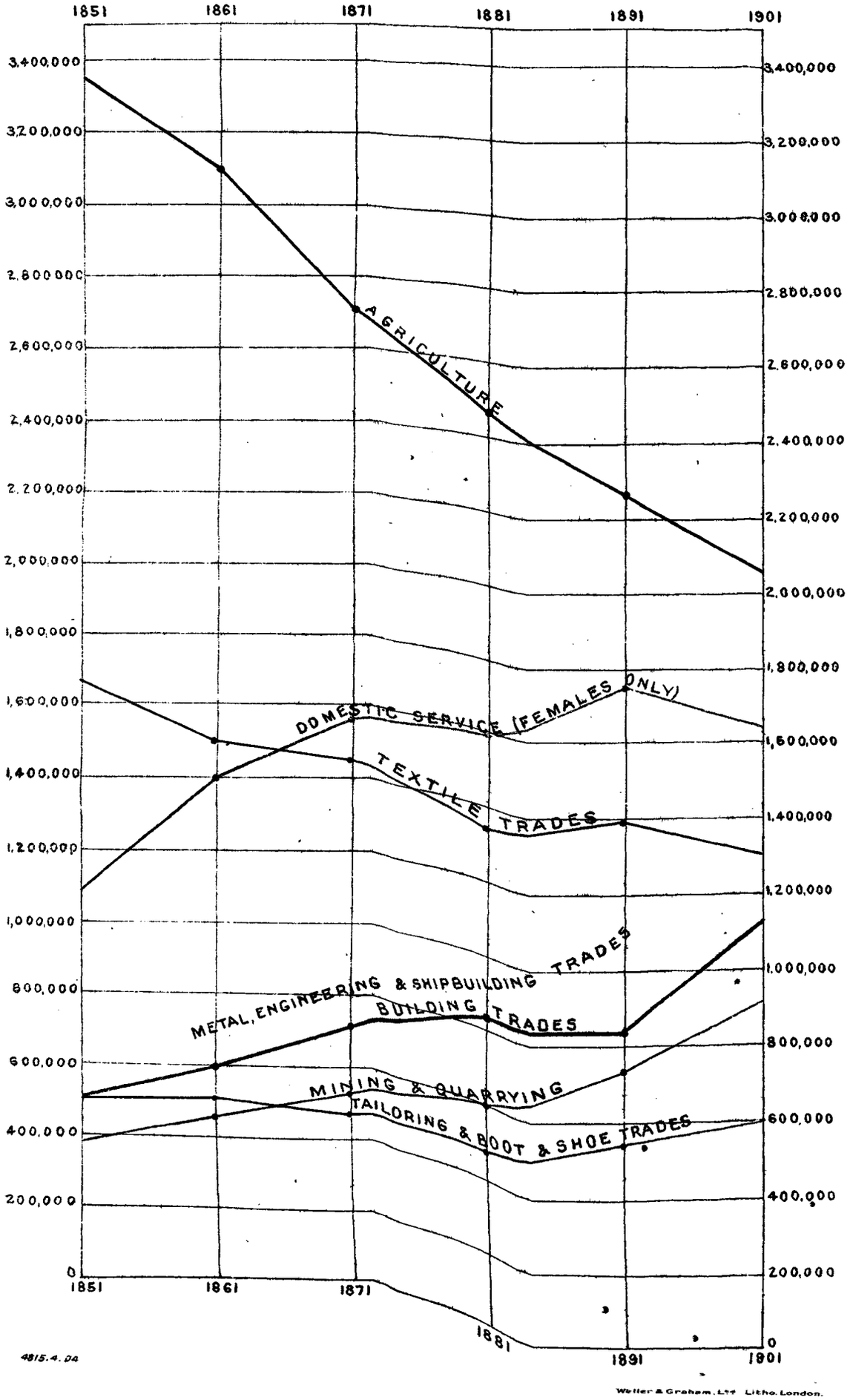
II.

OCCUPATIONS.

CHANGES IN THE NUMBERS OCCUPIED IN CERTAIN GROUPS OF INDUSTRIES, 1851–1901.



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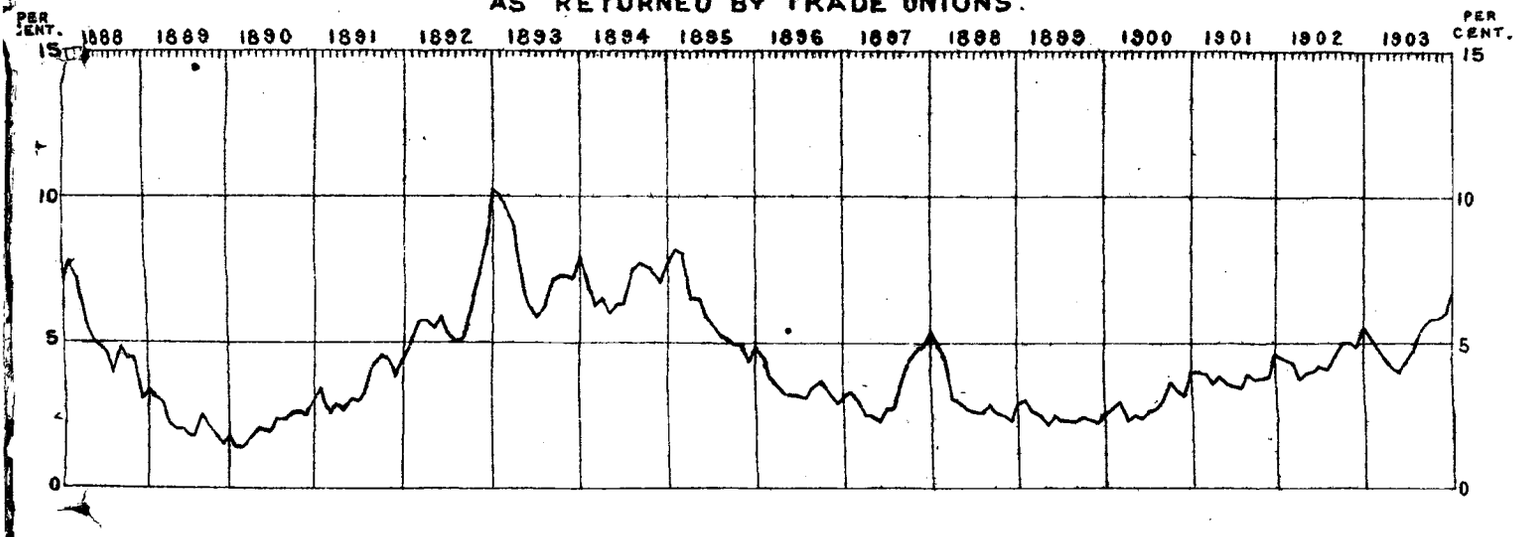
III.

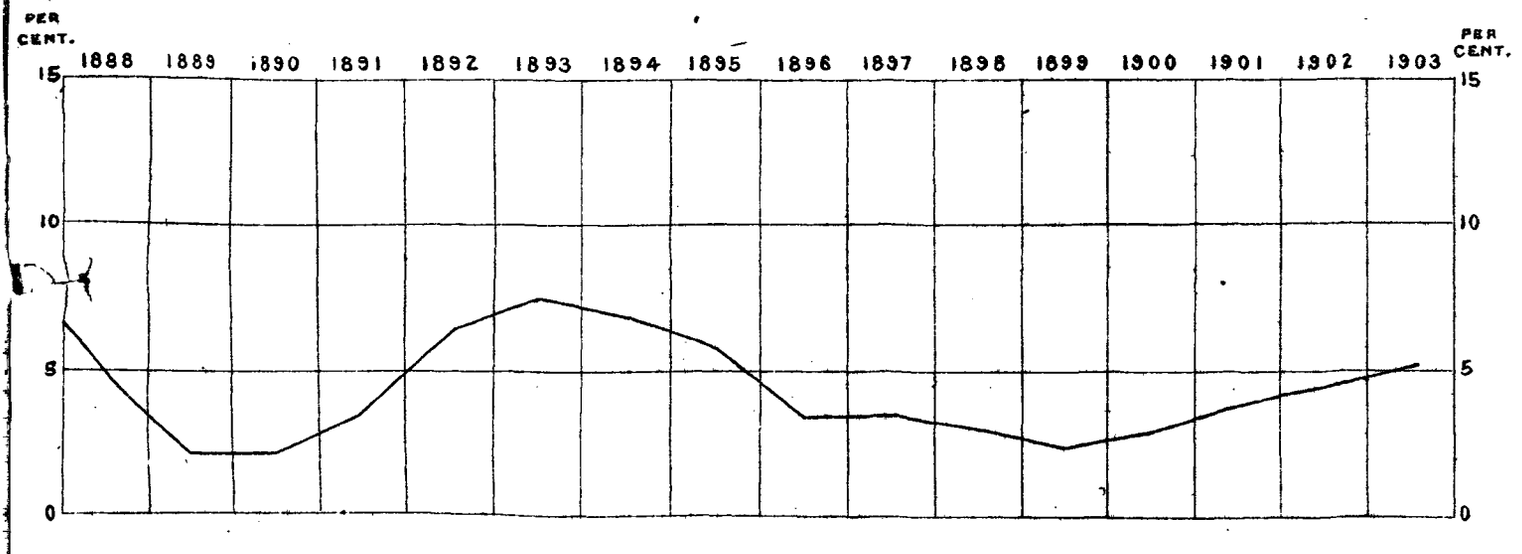
EMPLOYMENT.

FLUCTUATIONS IN EMPLOYMENT, 1888-1903.

PROPORTION OF WORKPEOPLE UNEMPLOYED AT END OF EACH MONTH
AS RETURNED BY TRADE UNIONS.



MEAN PERCENTAGE UNEMPLOYED IN EACH YEAR.
AS RETURNED BY TRADE UNIONS



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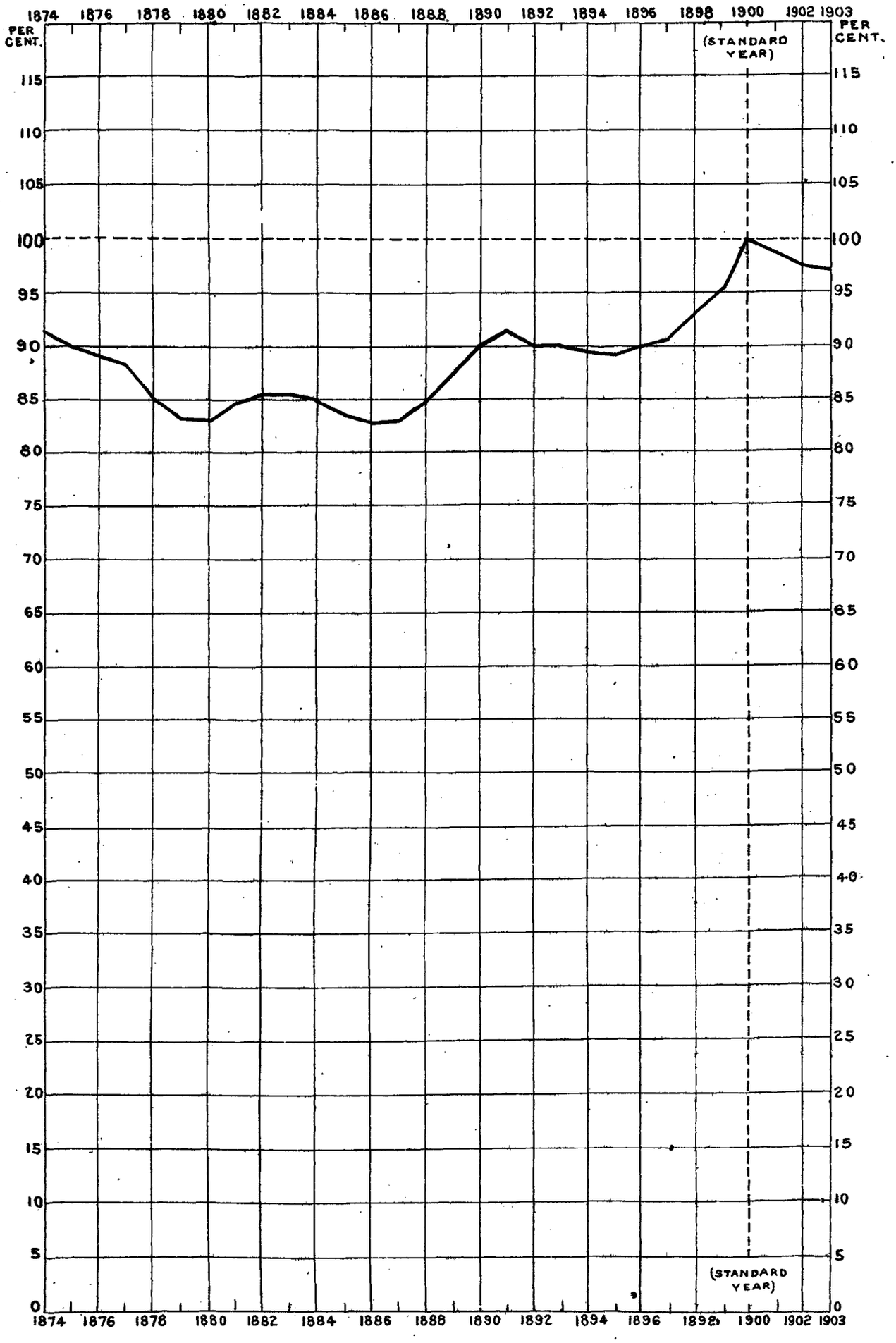
IV.

WAGES.

FLUCTUATIONS IN GENERAL WAGES, 1874 – 1903.*

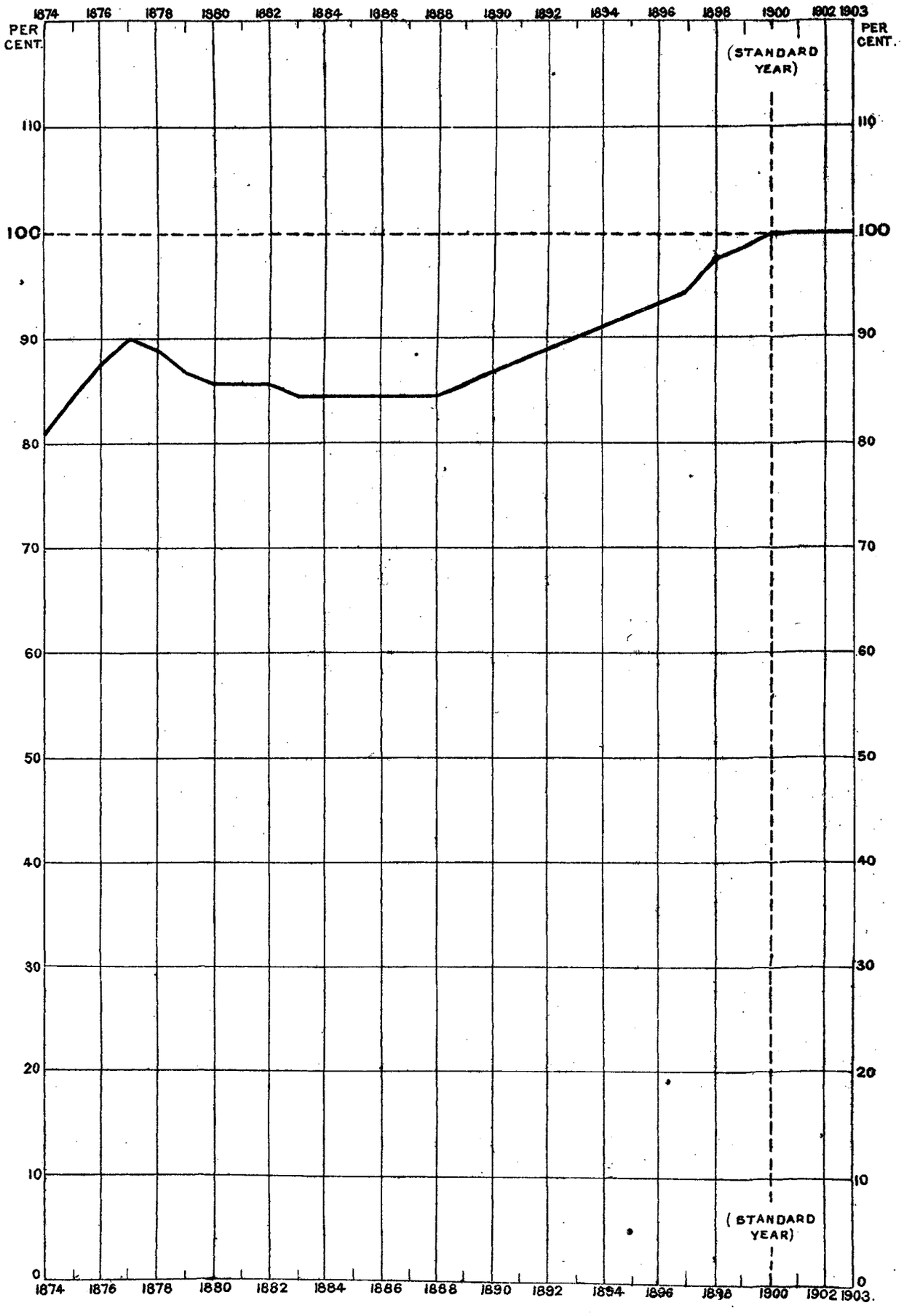


* For Trades included see Charts Va, b, c, d, & e.

WAGES.

FLUCTUATIONS IN AVERAGE STANDARD RATES OF WAGES, 1874-1903

BUILDING TRADES.



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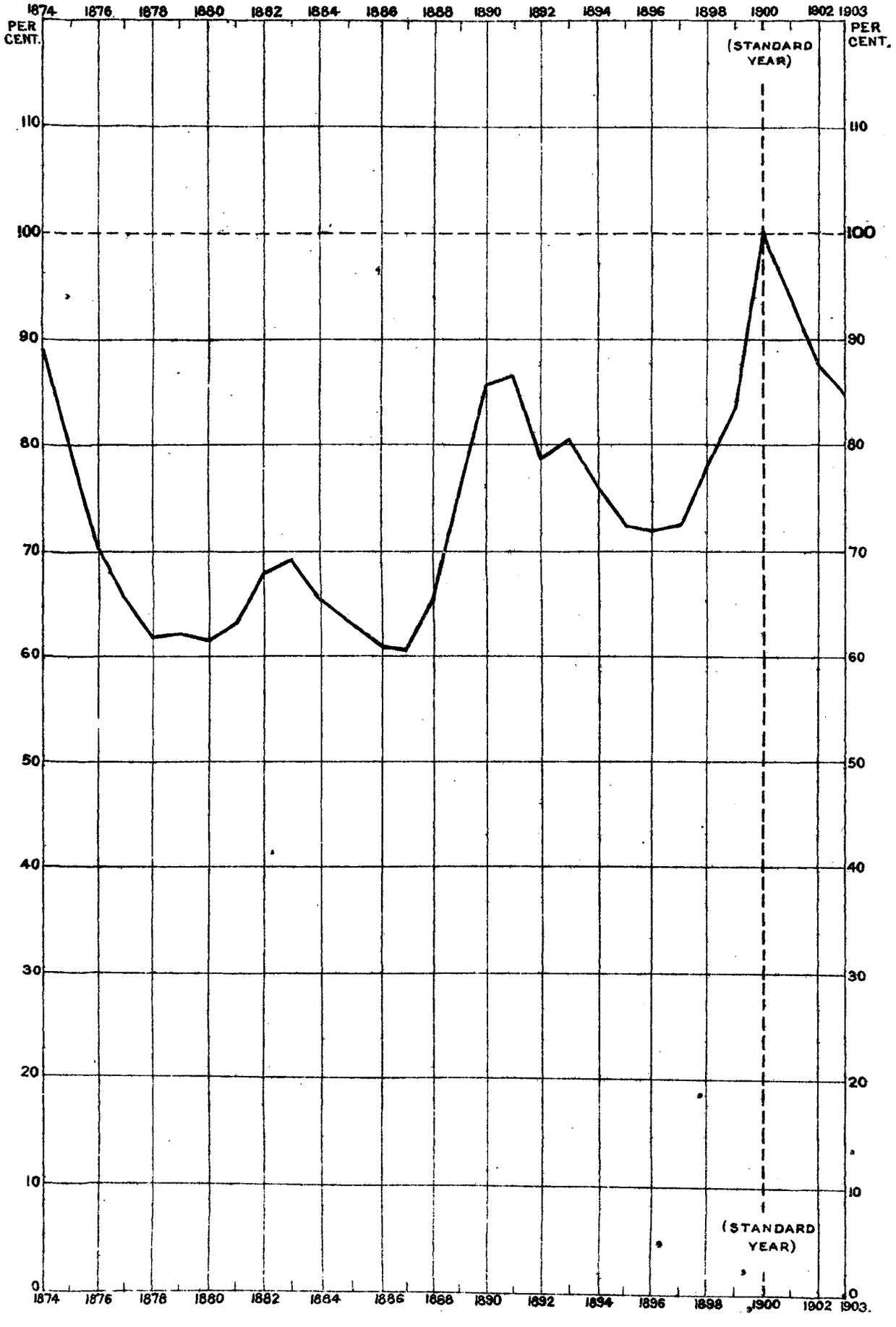
WAGES.

FLUCTUATIONS IN AVERAGE STANDARD RATES OF WAGES. 1874 – 1903.

COAL MINING.



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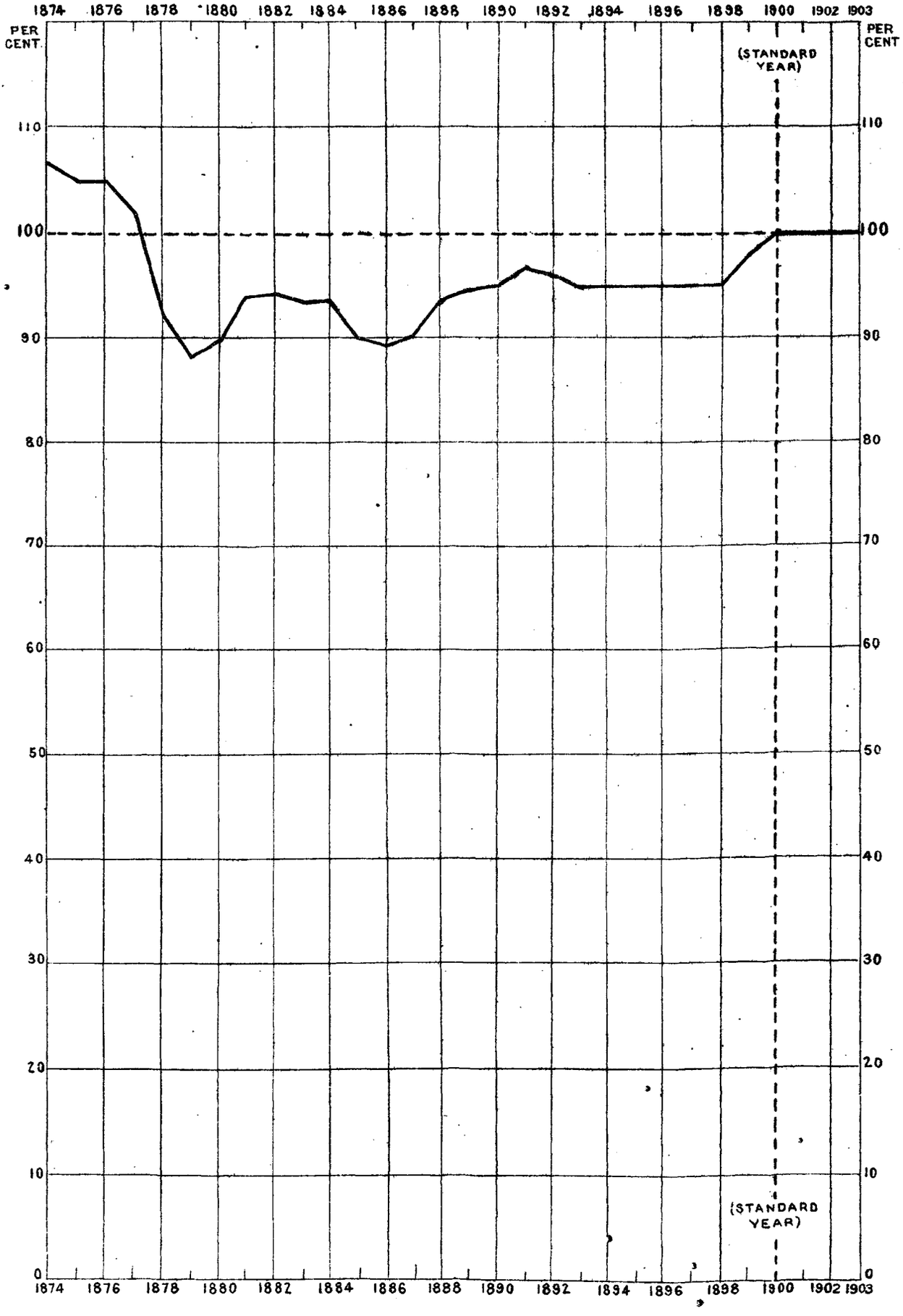
WAGES.

FLUCTUATIONS IN AVERAGE STANDARD RATES OF WAGES, 1874–1903.

COTTON, LINEN & JUTE TRADES.



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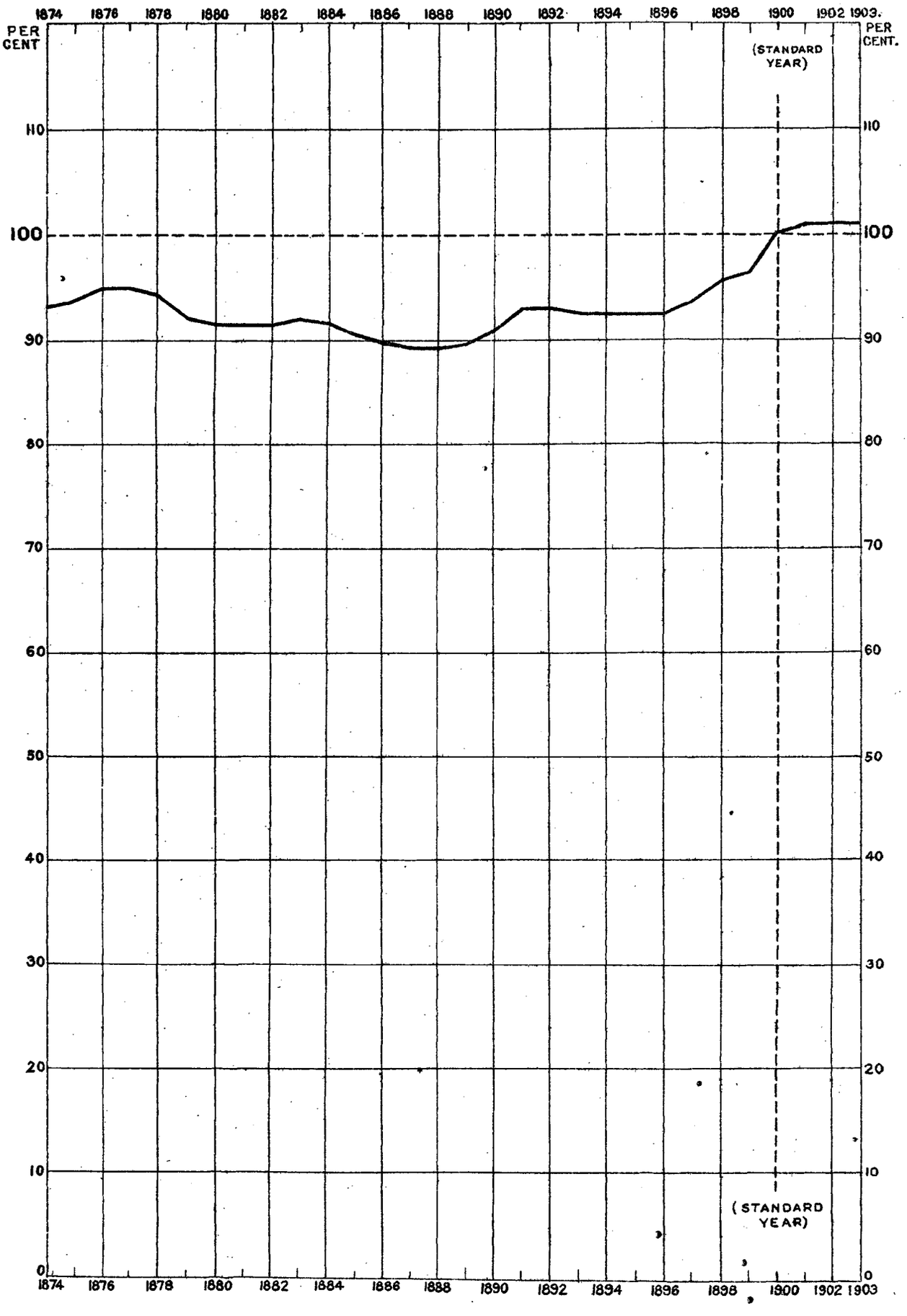
Ve

WAGES.

FLUCTUATIONS IN AVERAGE STANDARD RATES OF WAGES, 1874–1903.

AGRICULTURE.



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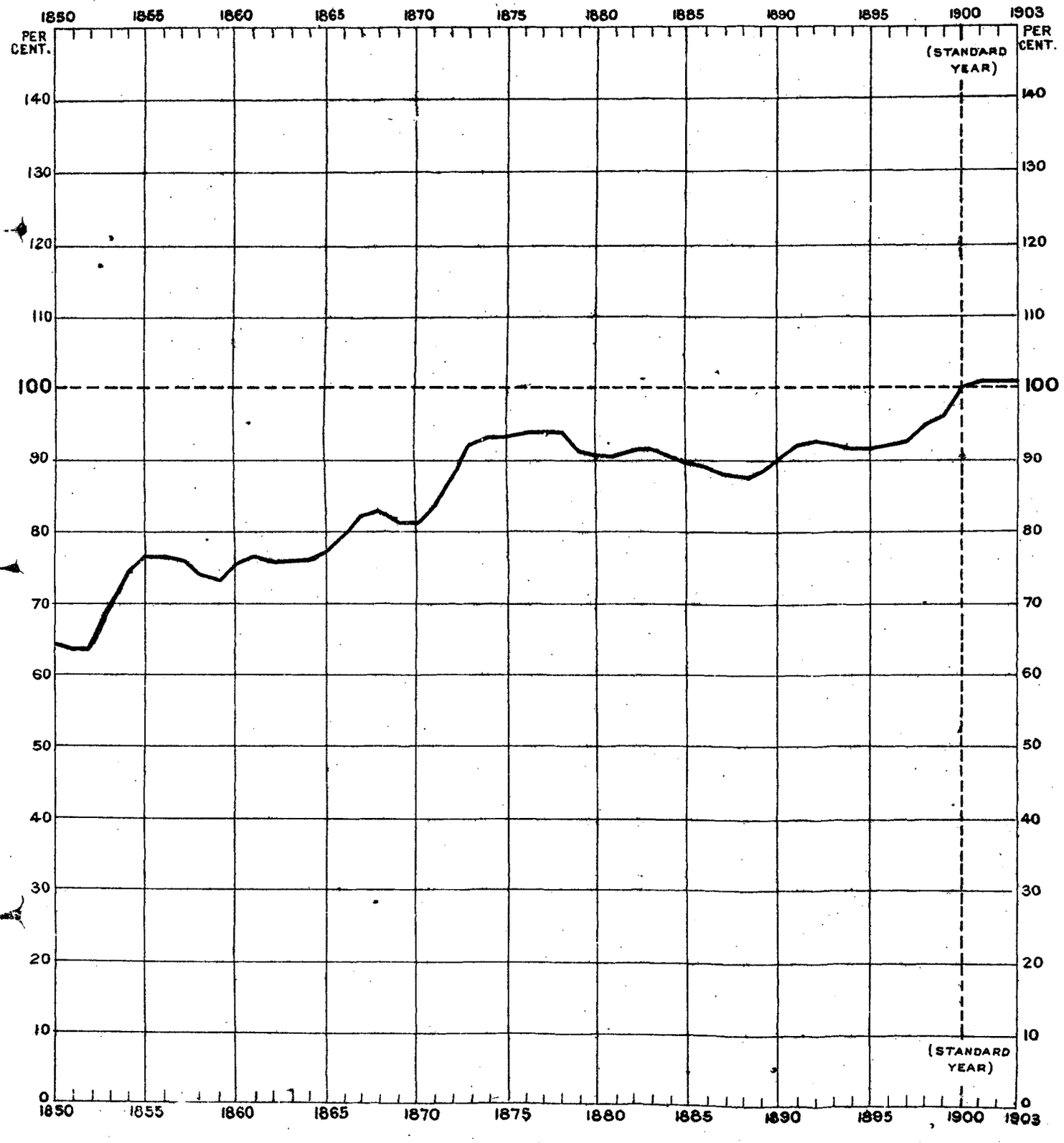
VI.

WAGES.

WAGES OF AGRICULTURAL LABOURERS, 1850 – 1903.

ENGLAND & WALES.



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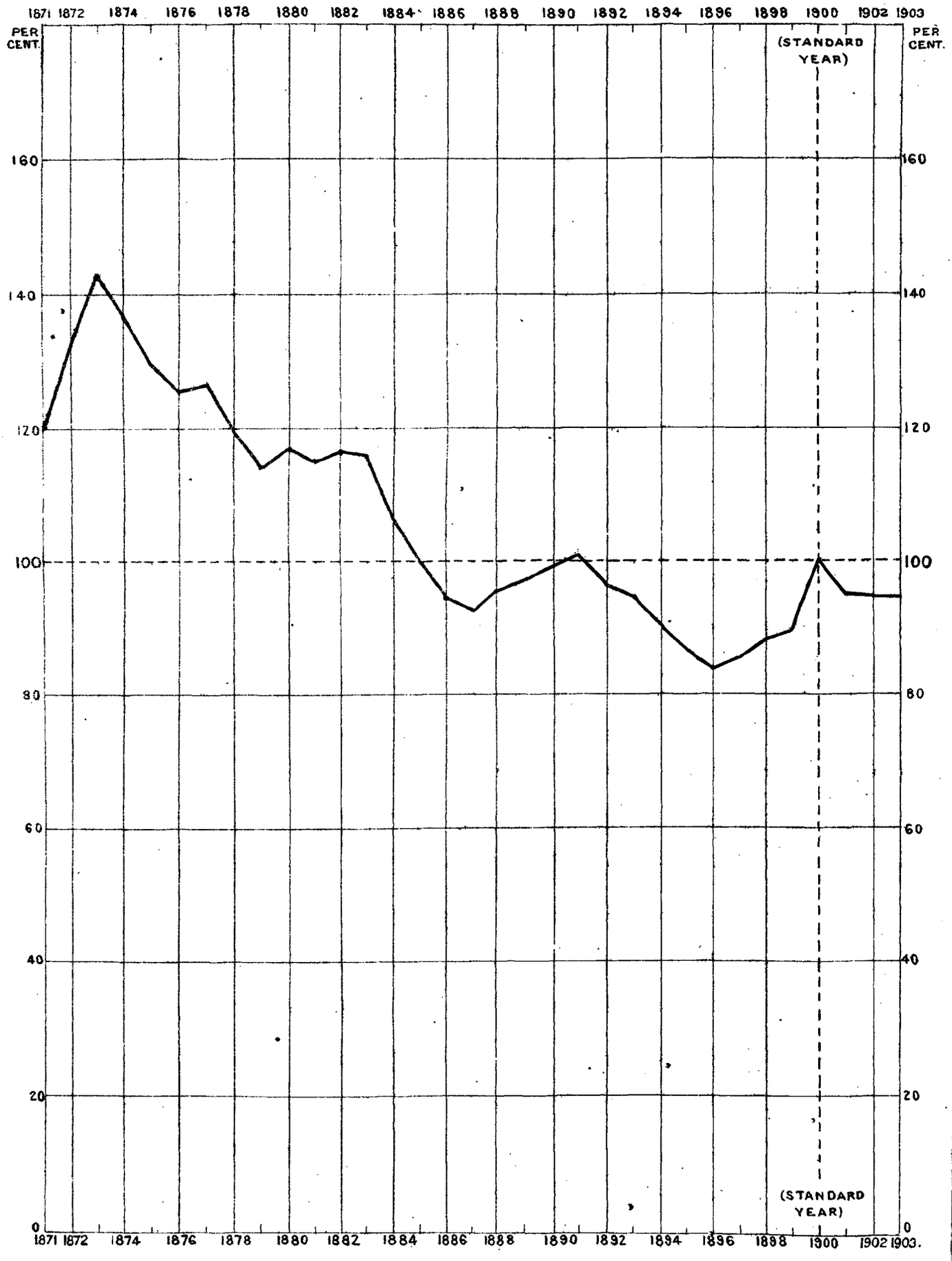
VII.

WHOLESALE PRICES.

CHANGES IN THE LEVEL OF GENERAL PRICES, 1871-1903*



* For groups of articles included See Charts VIII a, b, c & d.

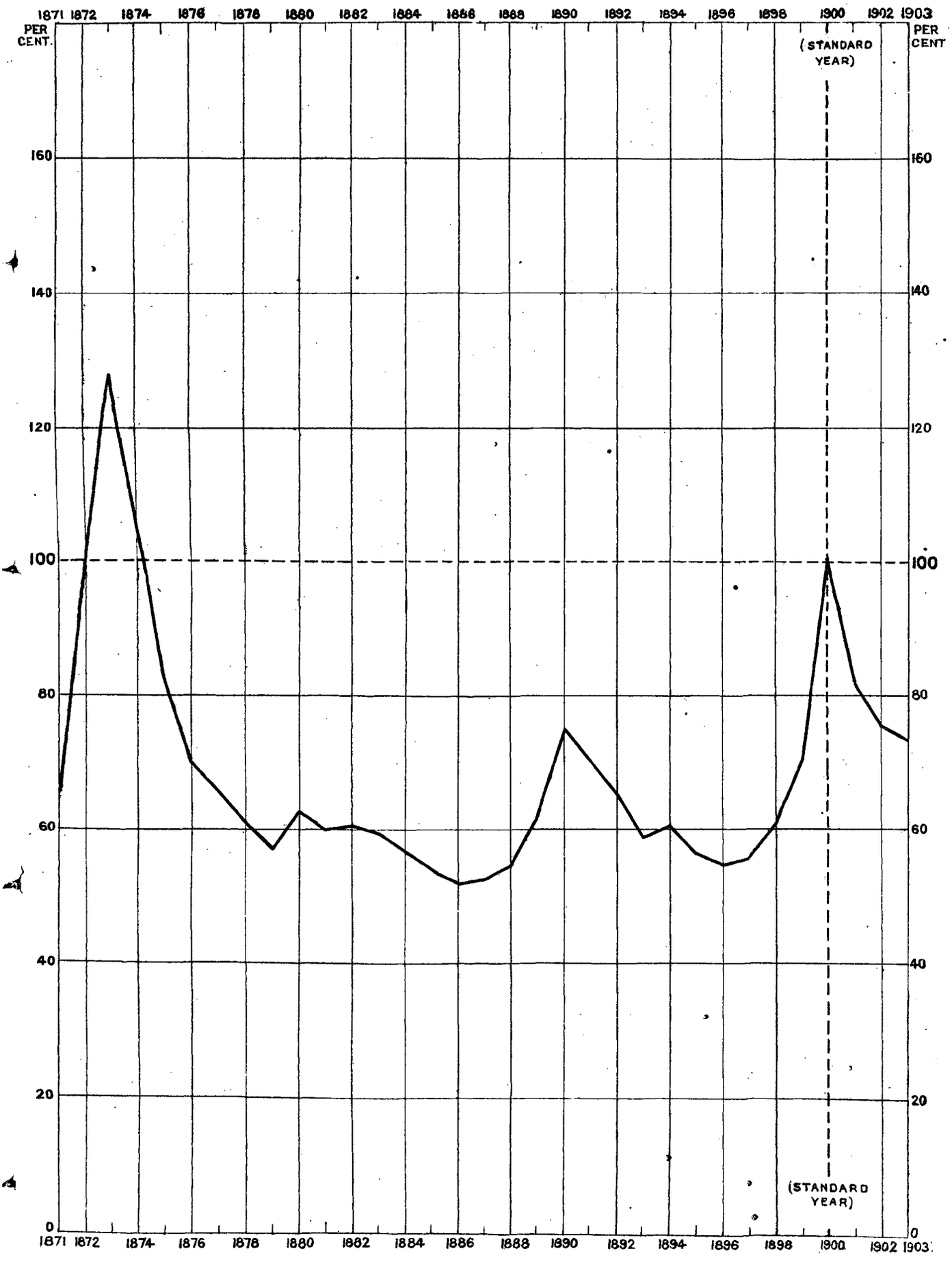
Weller & Graham, Ltd Litho. London.

VIII[a]

WHOLESALE PRICES.

FLUCTUATIONS IN GROUP PRICES, 1871–1903.

COAL & METALS.



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VIII b

WHOLESALE PRICES.

FLUCTUATIONS IN GROUP PRICES. 1871-1903.

TEXTILES (RAW MATERIALS).

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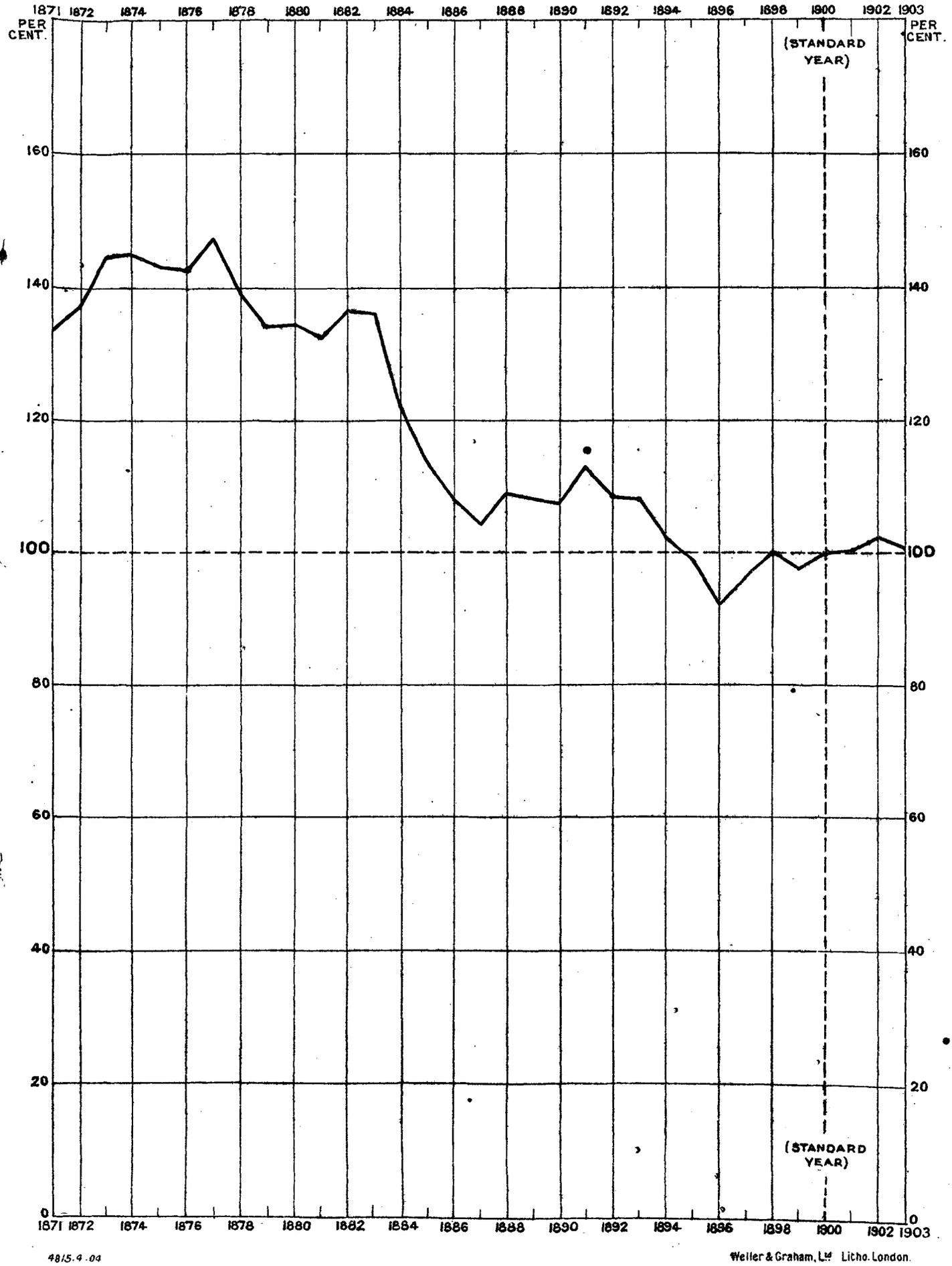
VIII c.

WHOLESALE PRICES.

FLUCTUATIONS IN GROUP PRICES, 1871-1903.

ARTICLES OF FOOD & DRINK.



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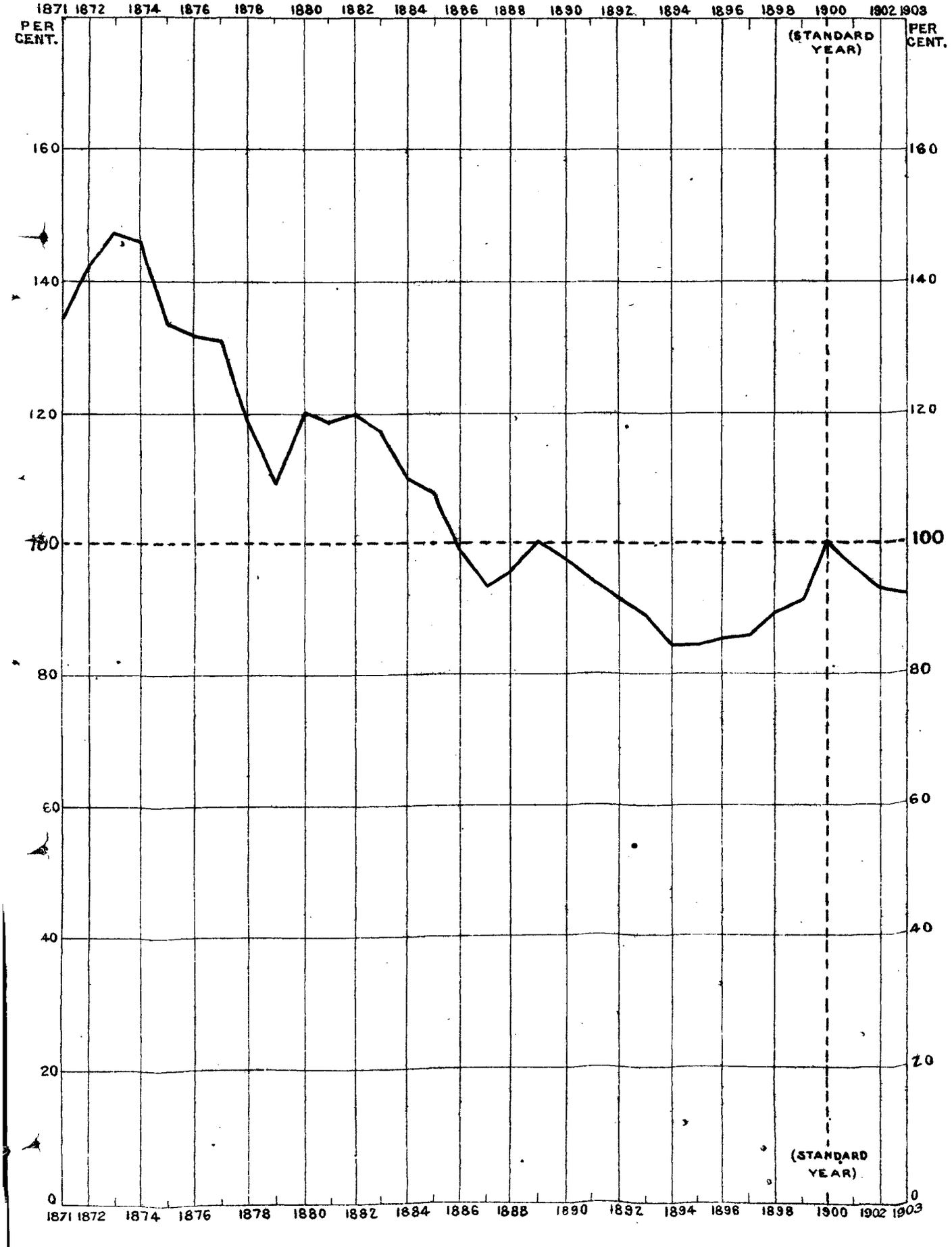
WHOLESALE PRICES.

FLUCTUATIONS IN GROUP PRICES, 1871-1903.

MISCELLANEOUS RAW MATERIALS (OILS, TIMBER, HIDES, &c.)



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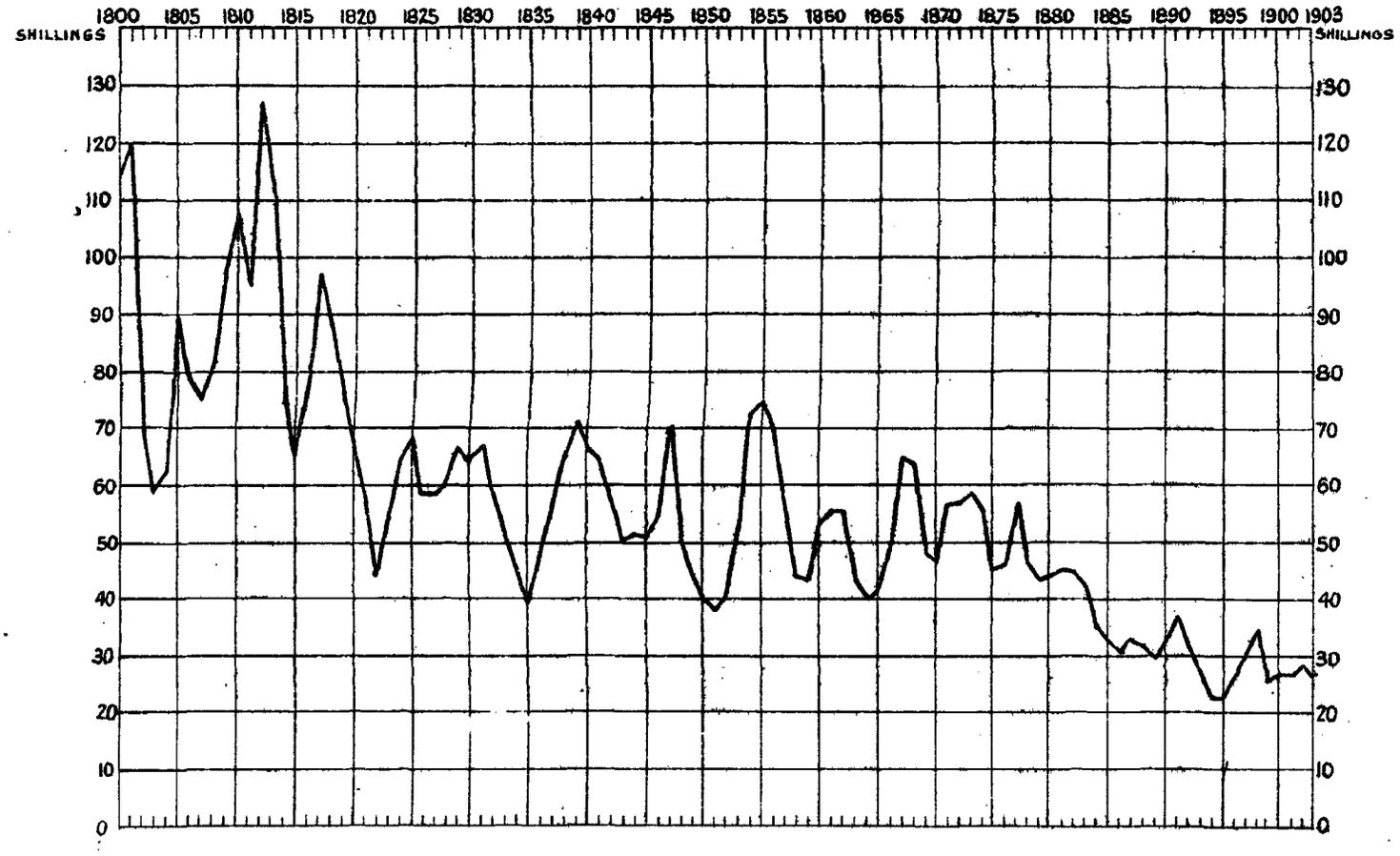
IX.

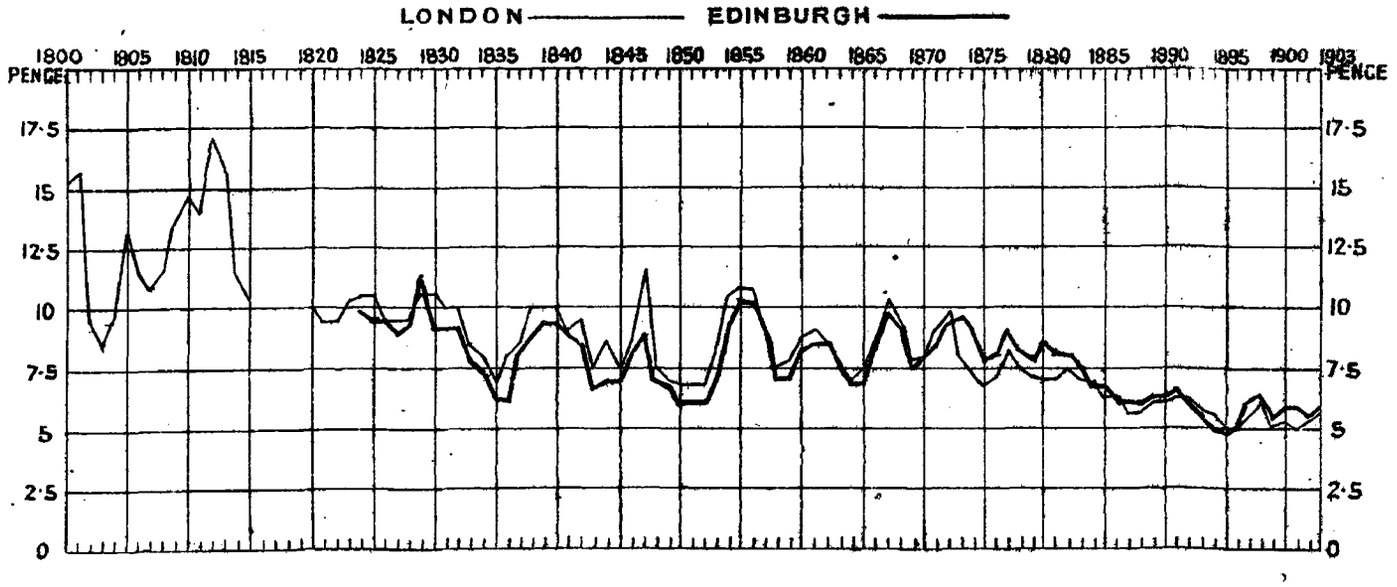
PRICES.

PRICES OF WHEAT & BREAD, 1800-1903.

MARKET PRICE PER QUARTER OF BRITISH WHEAT IN ENGLAND & WALES.



RETAIL PRICE PER 4 LBS. OF HOUSEHOLD BREAD IN LONDON & EDINBURGH.



4815 4 04

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X.

RETAIL PRICES.

FLUCTUATIONS IN THE RETAIL PRICES OF FOOD IN LONDON. 1877-1903.

[BASED ON THE PRICES OF NINE PRINCIPAL ARTICLES ※]

※ *The articles included are Flour; Bread, Potatoes, Beef, Mutton, Bacon, Sugar, Tea & Butter.*

4815.4.04.

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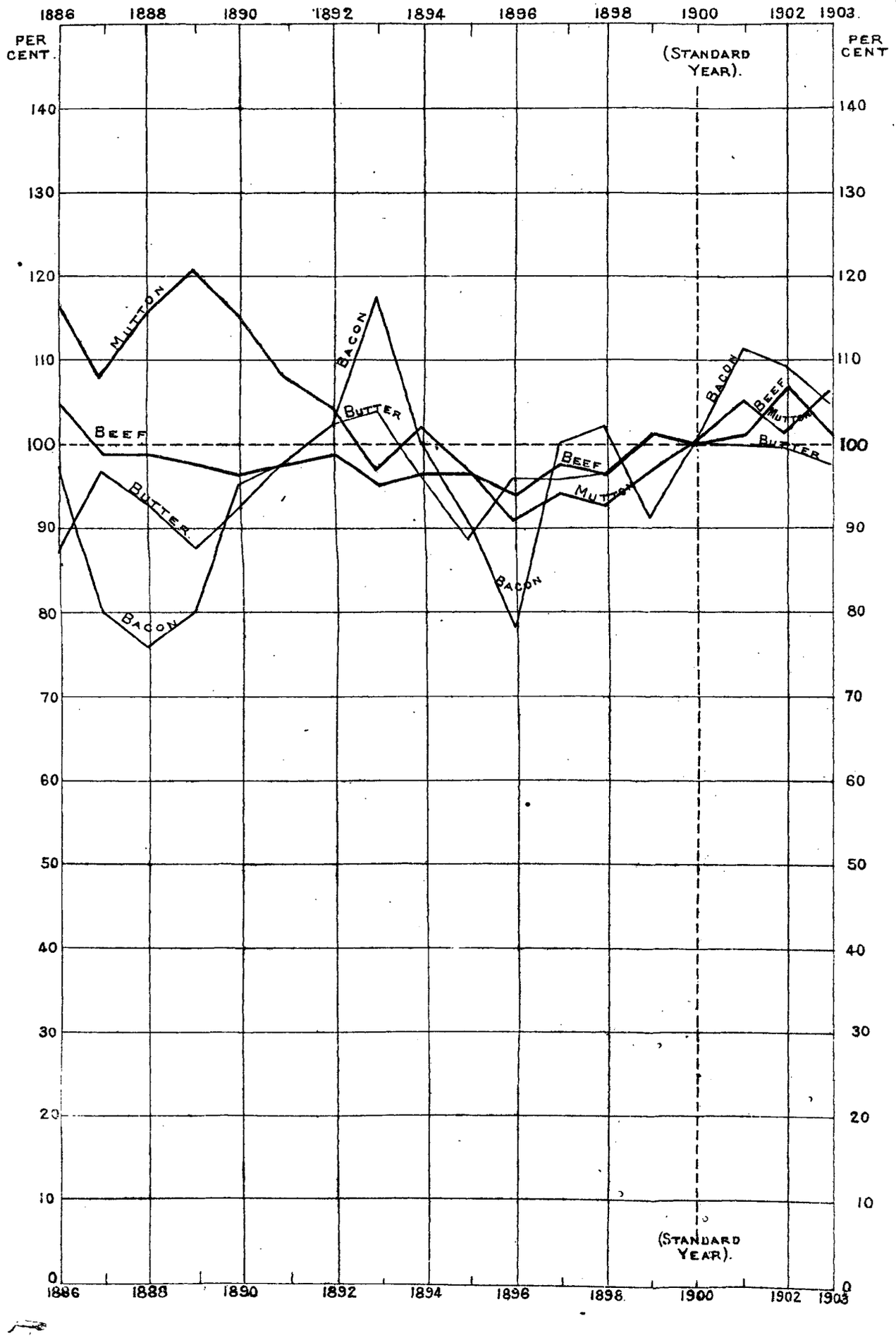
XI.

PRICES.

FLUCTUATIONS IN THE RETAIL PRICES OF BEEF, MUTTON, BACON. & BUTTER. IN LONDON. 1886-1903.



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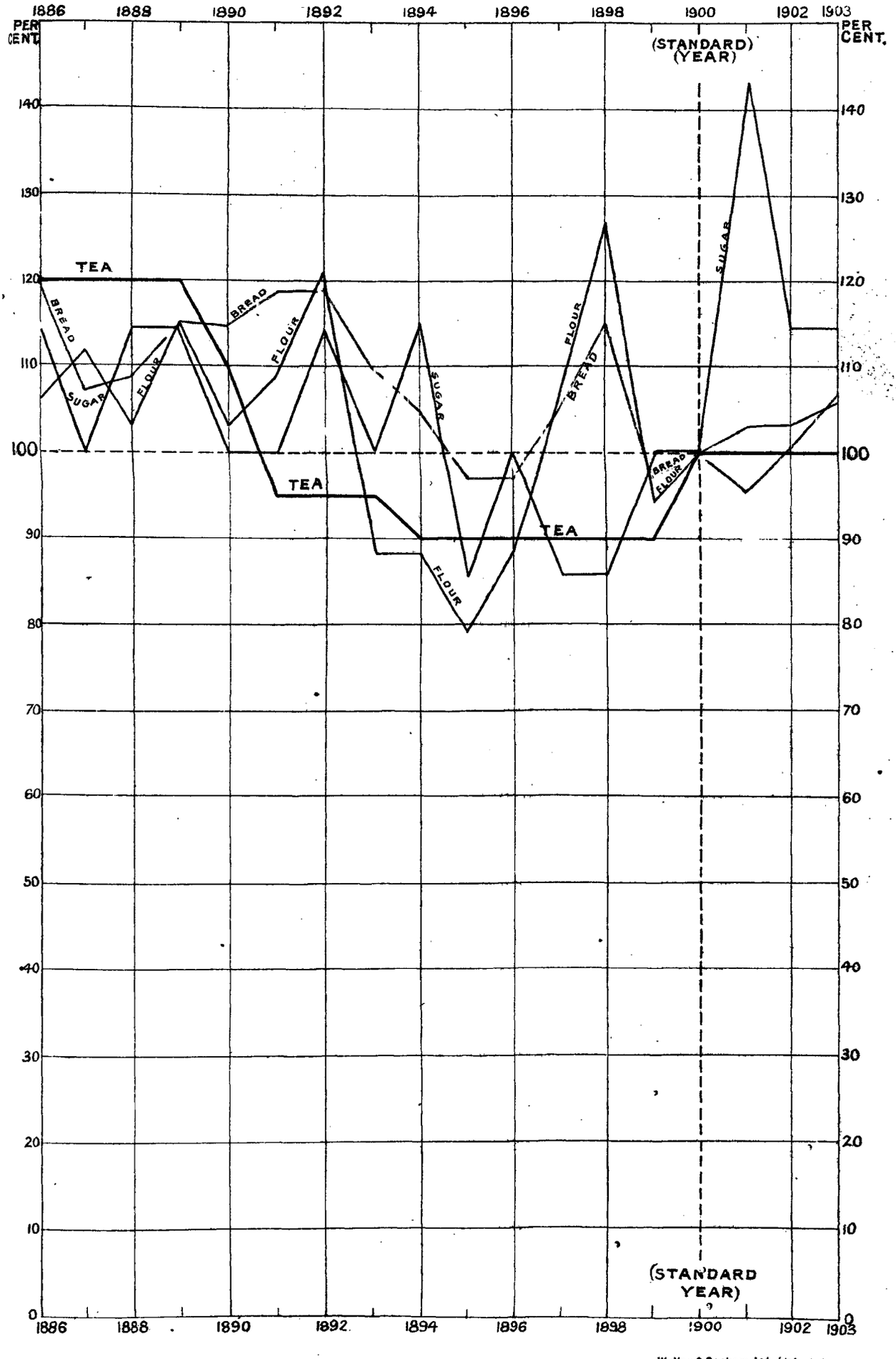
XII.

PRICES.

FLUCTUATIONS IN THE RETAIL PRICES OF TEA, SUGAR, FLOUR & BREAD IN LONDON, 1886-1903.



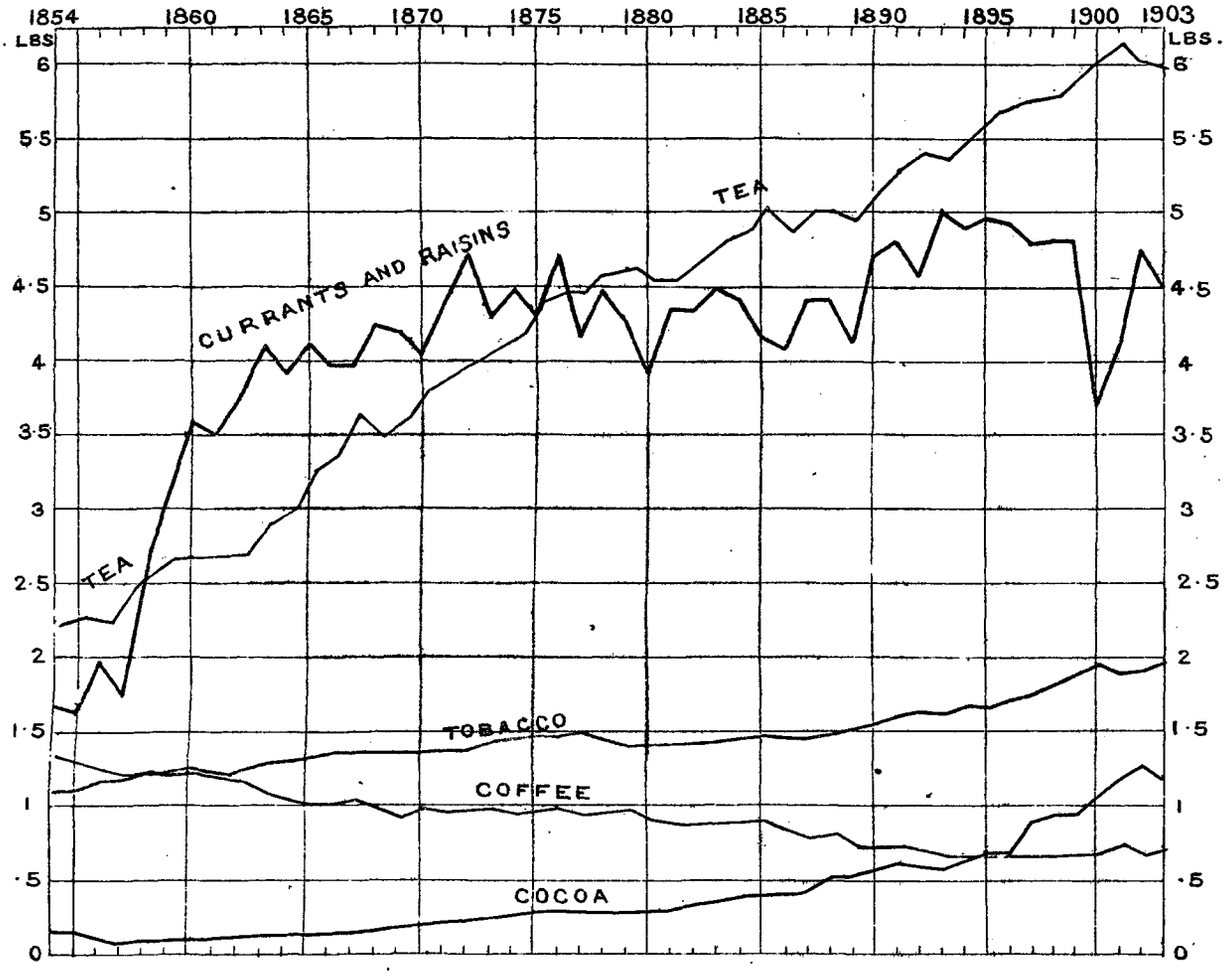
Weller & Graham, Ltd Litho. London.

XIII.

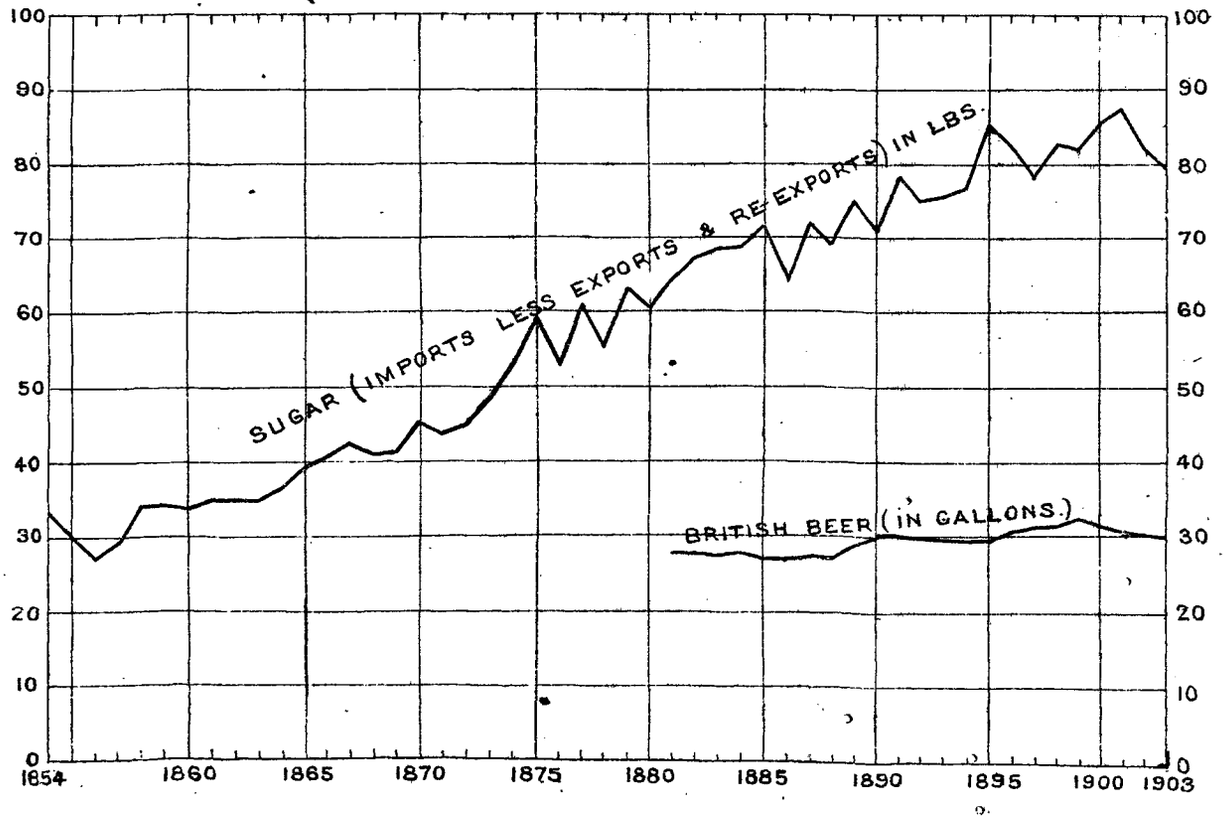
CONSUMPTION.

CONSUMPTION PER HEAD OF POPULATION OF CERTAIN DUTIABLE ARTICLES. 1854-1903.

TEA, CURRANTS & RAISINS TOBACCO, COFFEE & COCOA.



SUGAR (RAW AND REFINED) AND BRITISH BEER.



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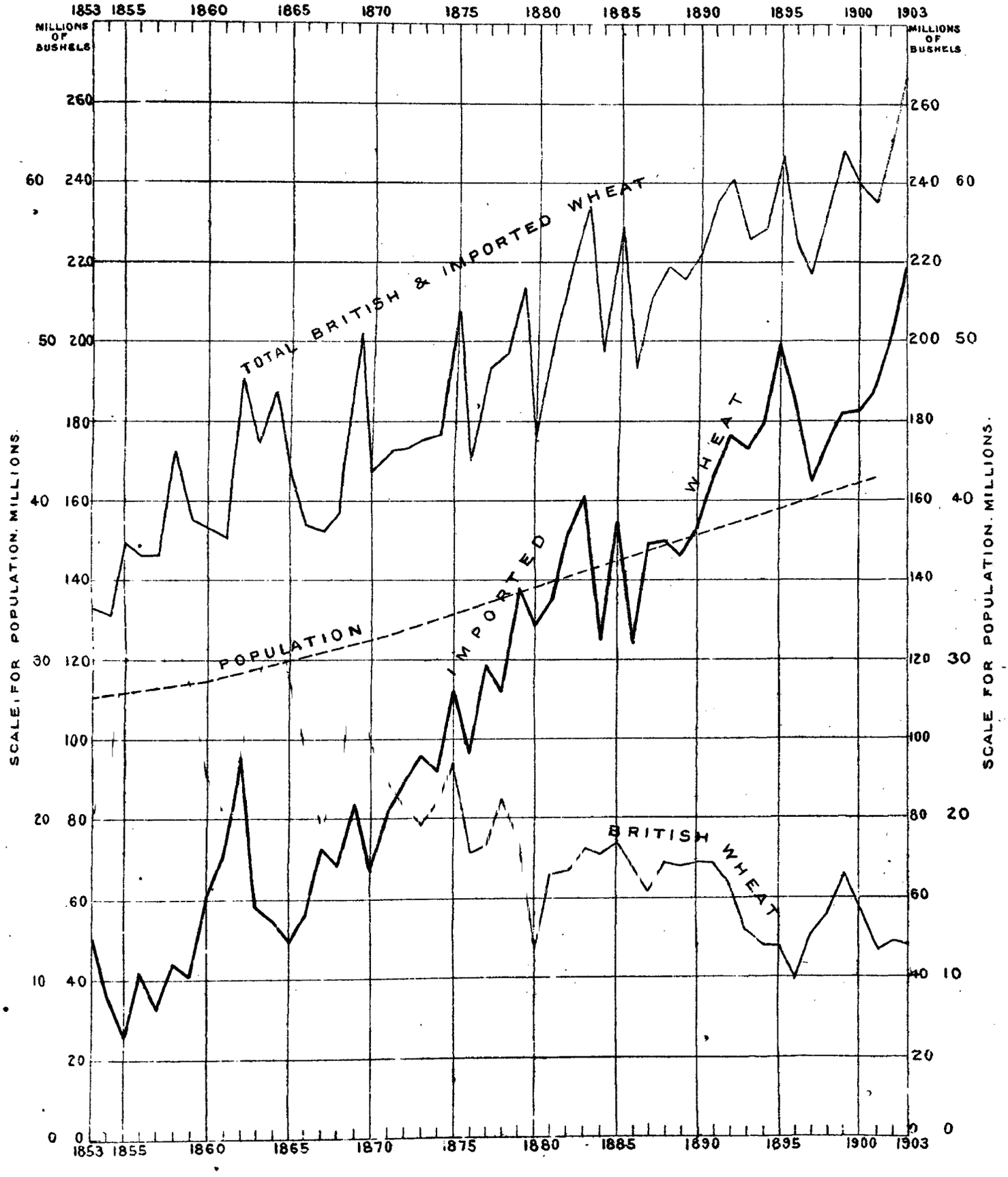
CONSUMPTION.

CONSUMPTION OF WHEAT (INCLUDING FLOUR) IN UNITED KINGDOM, 1853-1903.



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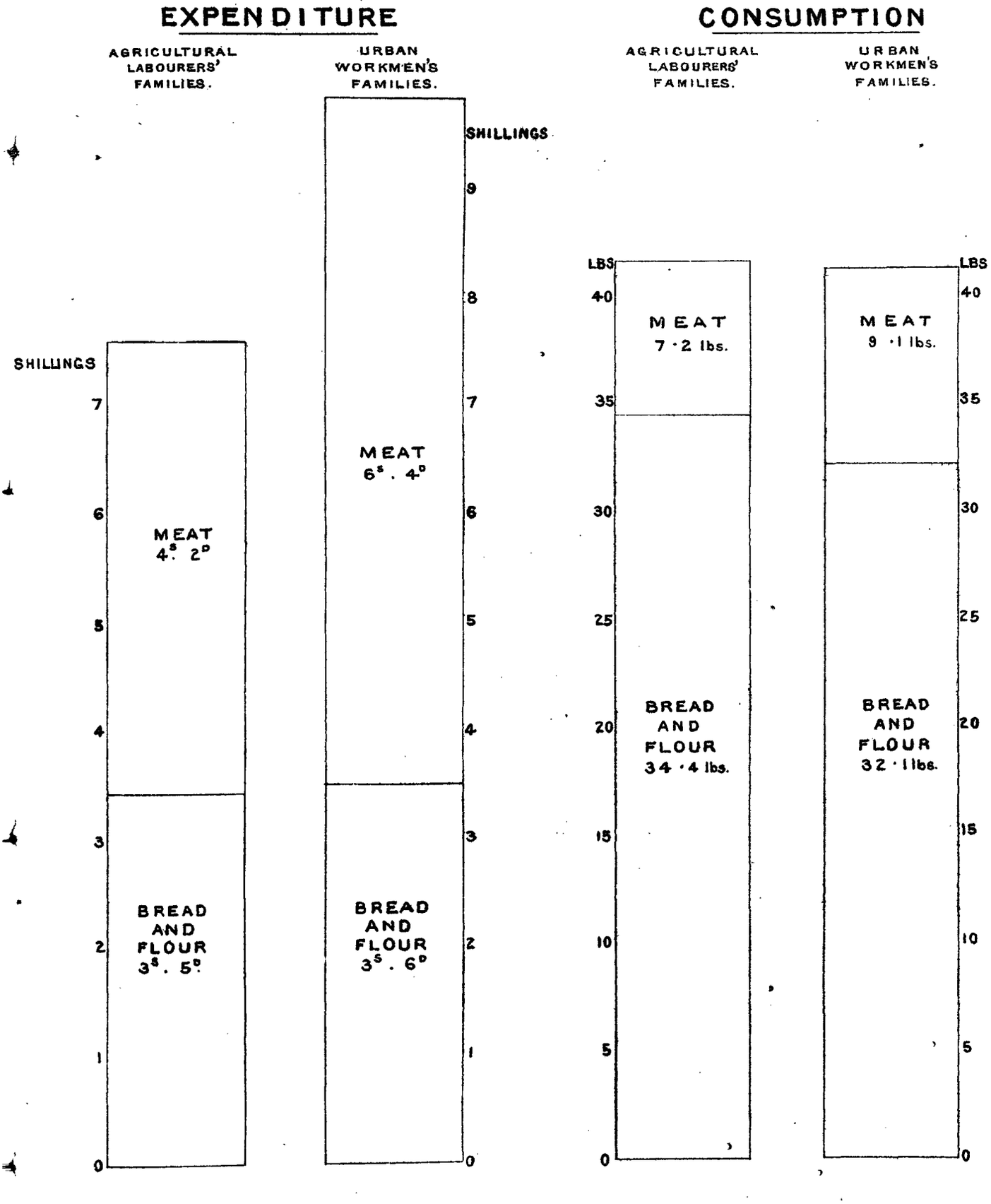
XV.

EXPENDITURE AND CONSUMPTION.

WEEKLY EXPENDITURE ON, AND CONSUMPTION OF MEAT (BEEF, MUTTON, PORK & BACON) AND BREAD AND FLOUR.



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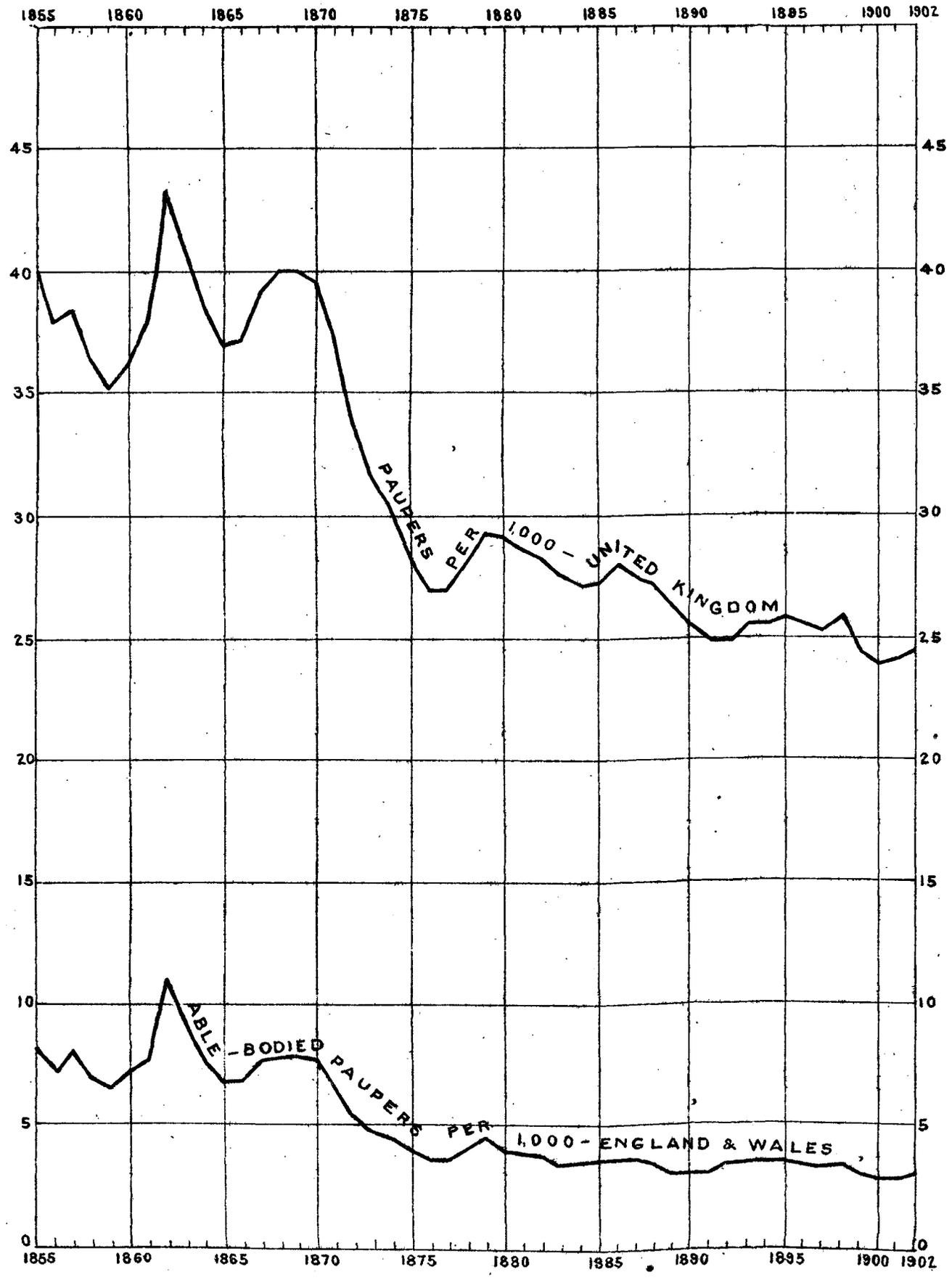
XVI.

PAUPERISM.

RATE PER 1,000 OF POPULATION, 1855–1902.



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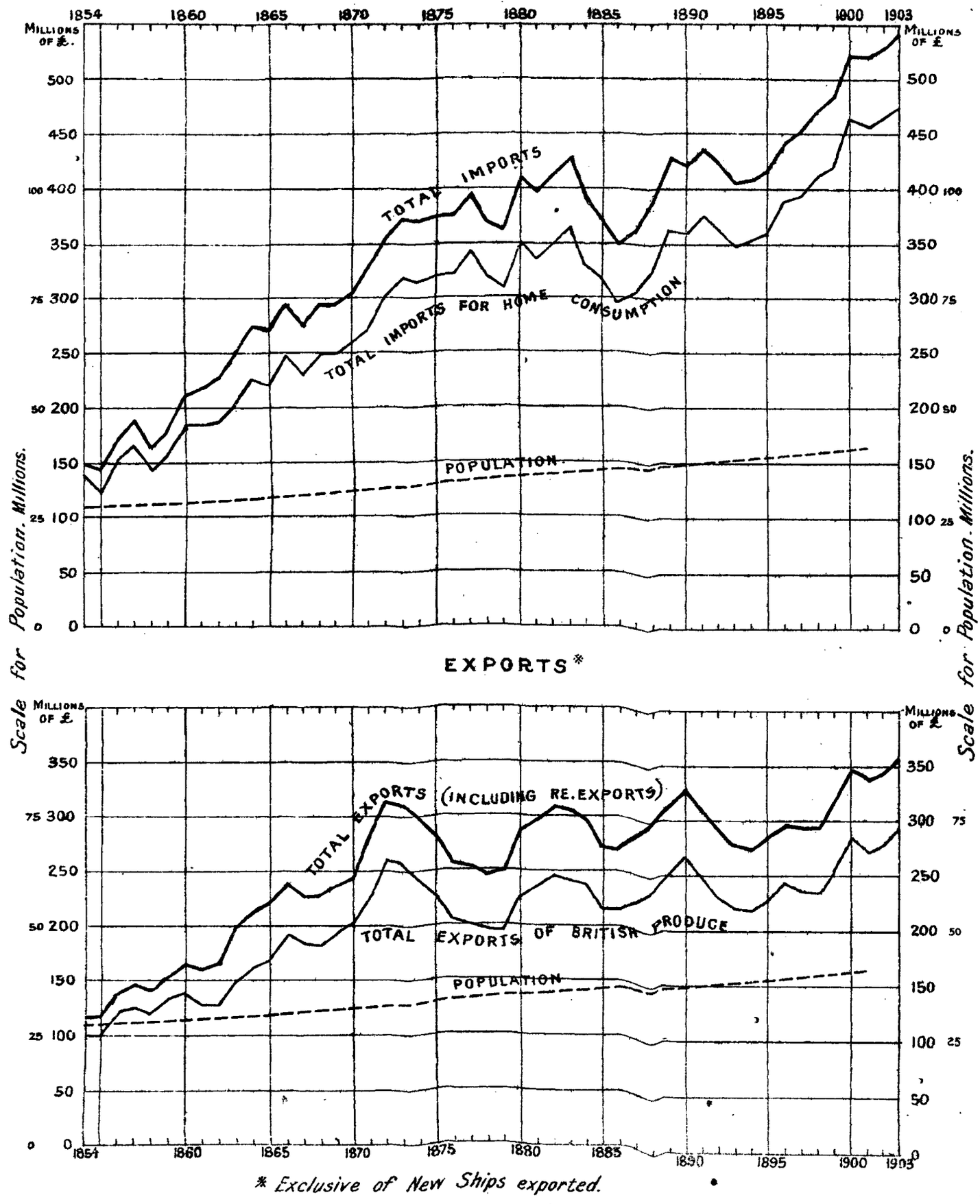
XVII.

FOREIGN TRADE.

IMPORTS & EXPORTS, 1854–1903.



* Exclusive of New Ships exported.

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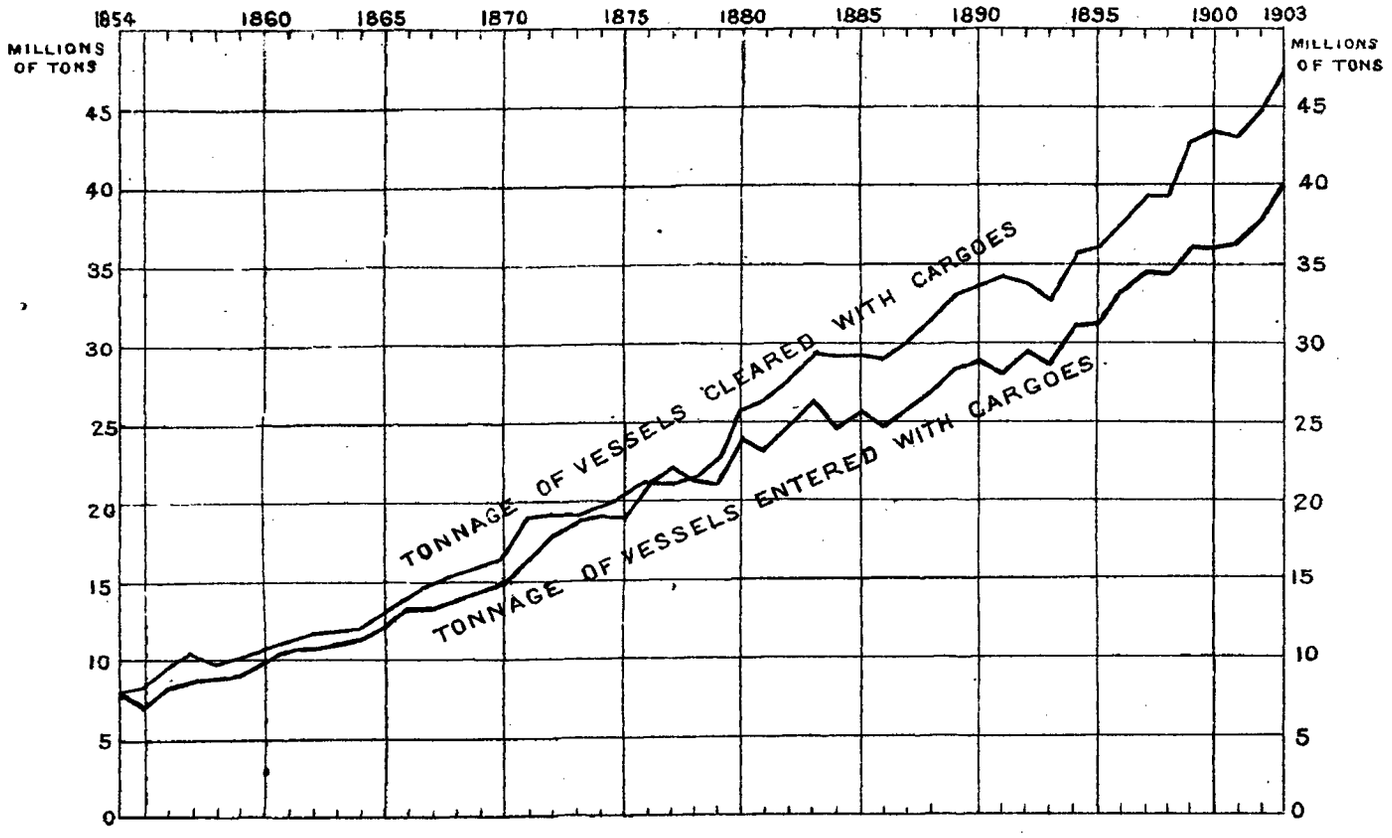
XVIII.

TRAFFIC.

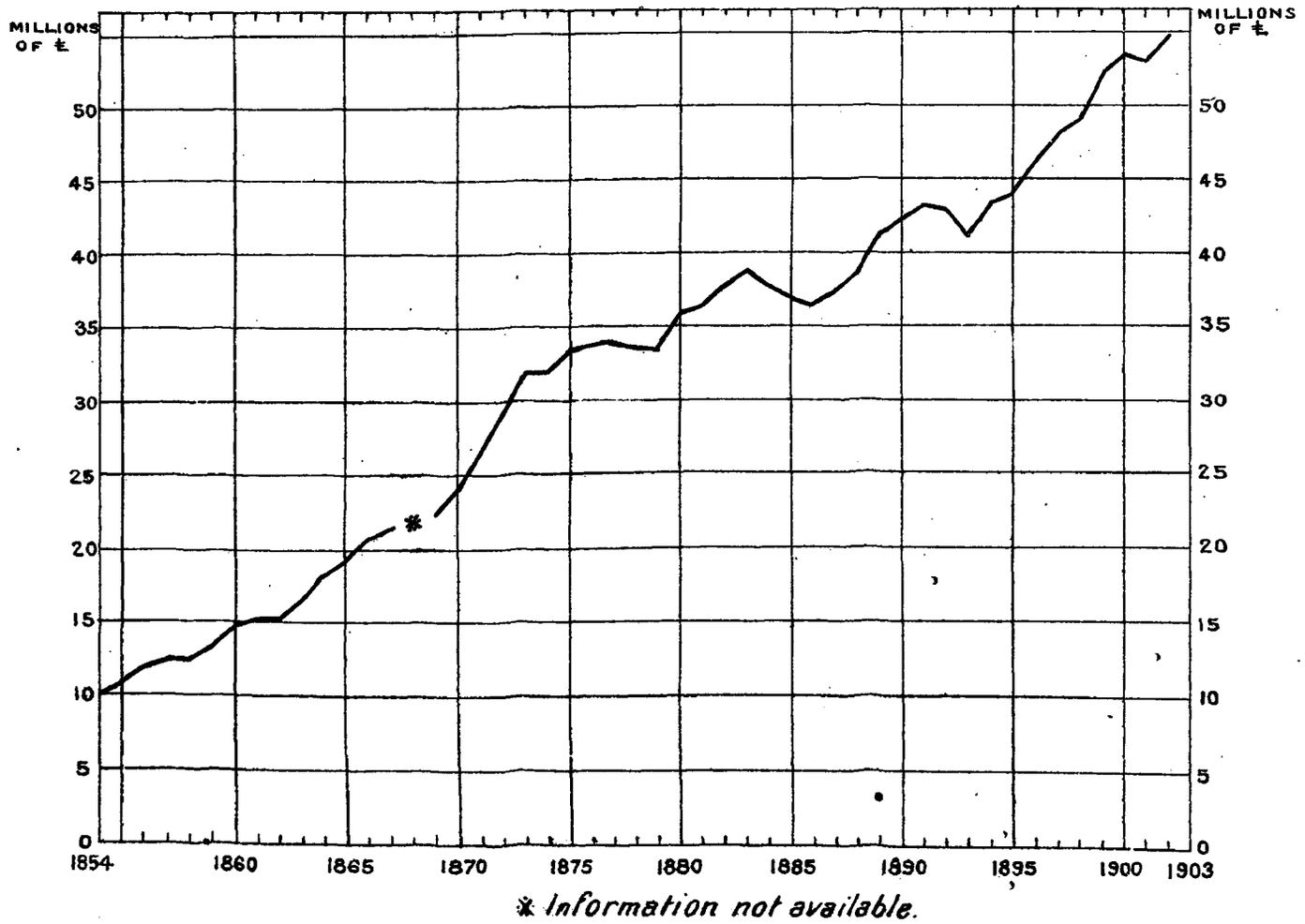
SHIPPING AND RAILWAY TRAFFIC.

SHIPPING, 1854 1903.

NETT TONNAGE OF VESSELS ENTERED & CLEARED, WITH CARGOES ONLY, IN THE FOREIGN TRADE.



RAILWAY GOODS-TRAFFIC RECEIPTS, 1854 — 1902.



* *Information not available.*

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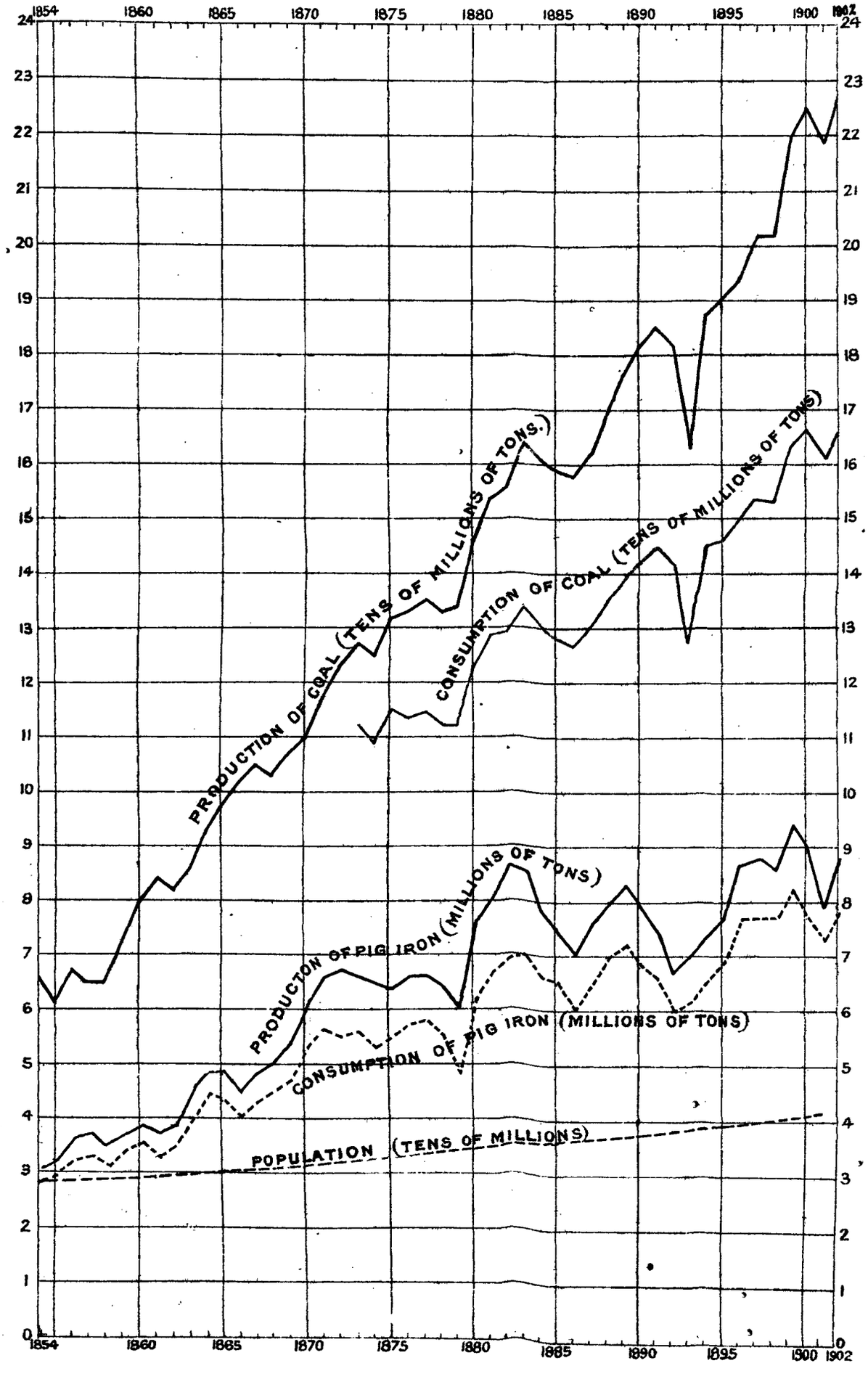
PRODUCTION & CONSUMPTION.

PRODUCTION & CONSUMPTION OF COAL & PIG IRON, 1854 - 1902.



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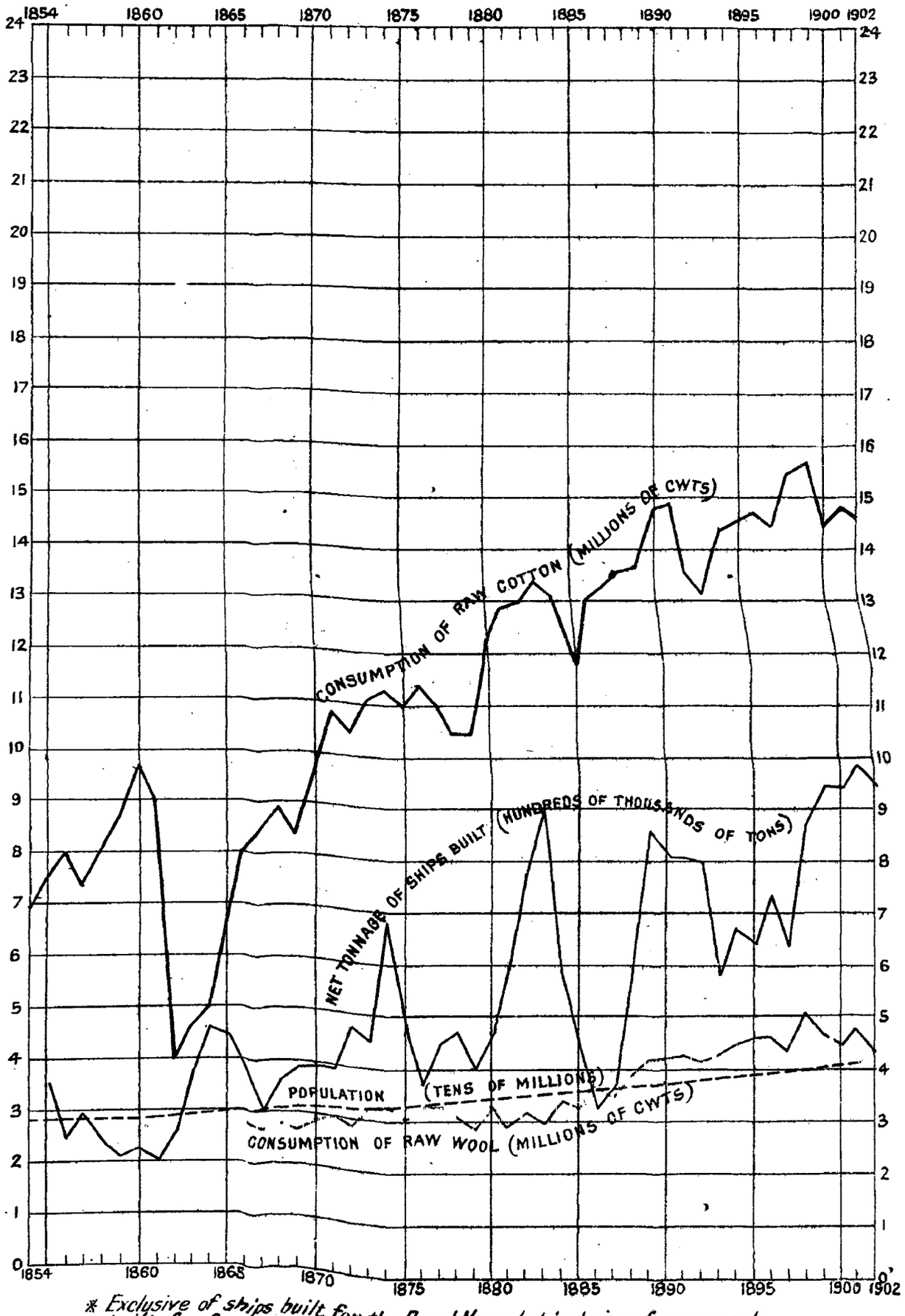
4815 & 04

PRODUCTION & CONSUMPTION.

CONSUMPTION OF RAW COTTON & WOOL & TONNAGE OF SHIPS BUILT, 1854-1902.



* Exclusive of ships built for the Royal Navy, but inclusive of war vessels built for foreigners.

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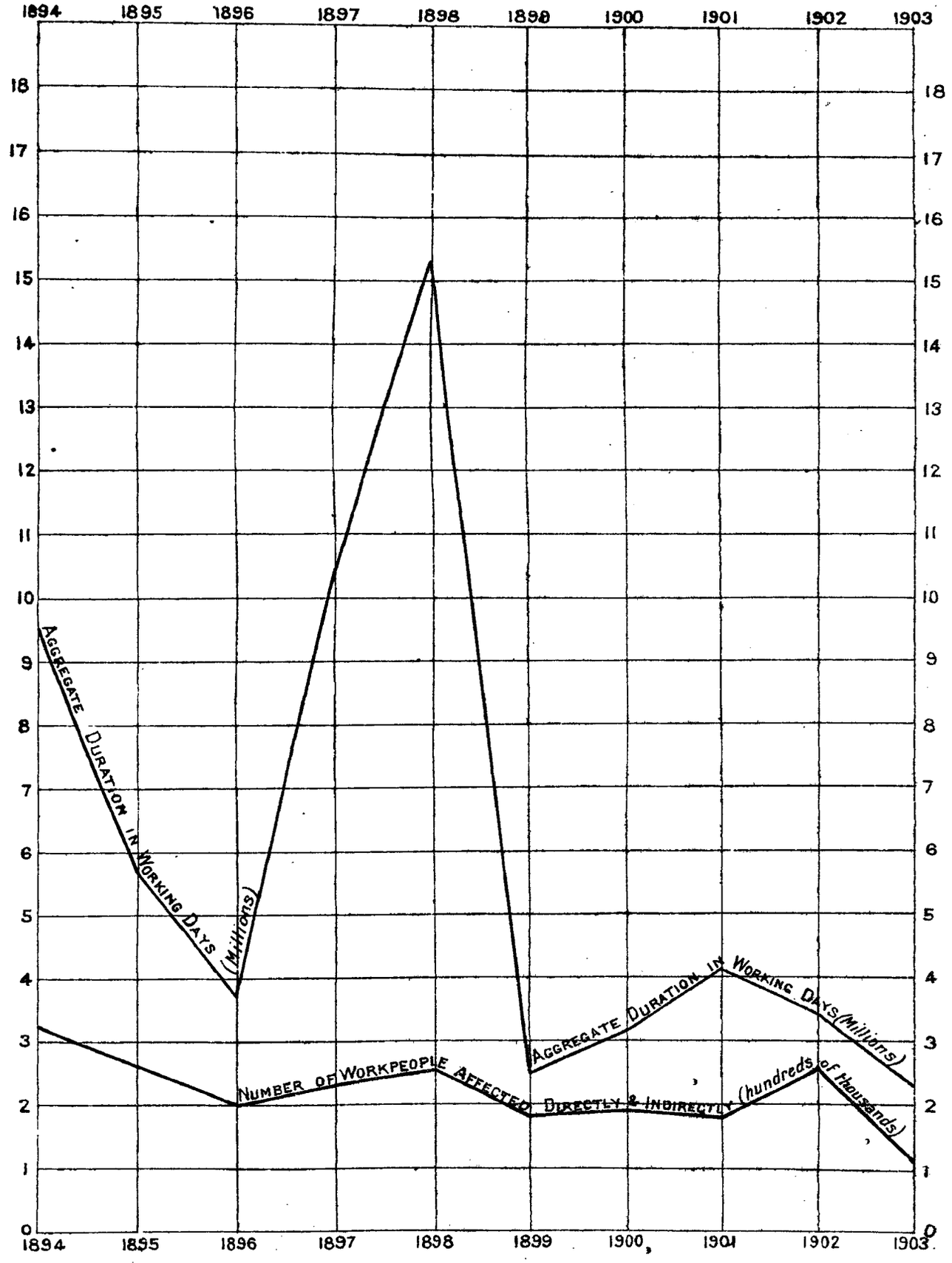
XXI.

TRADE DISPUTES.

NUMBER OF WORKPEOPLE DIRECTLY AND INDIRECTLY AFFECTED AND AGGREGATE DURATION IN WORKING DAYS. IN EACH YEAR, 1894-1903.



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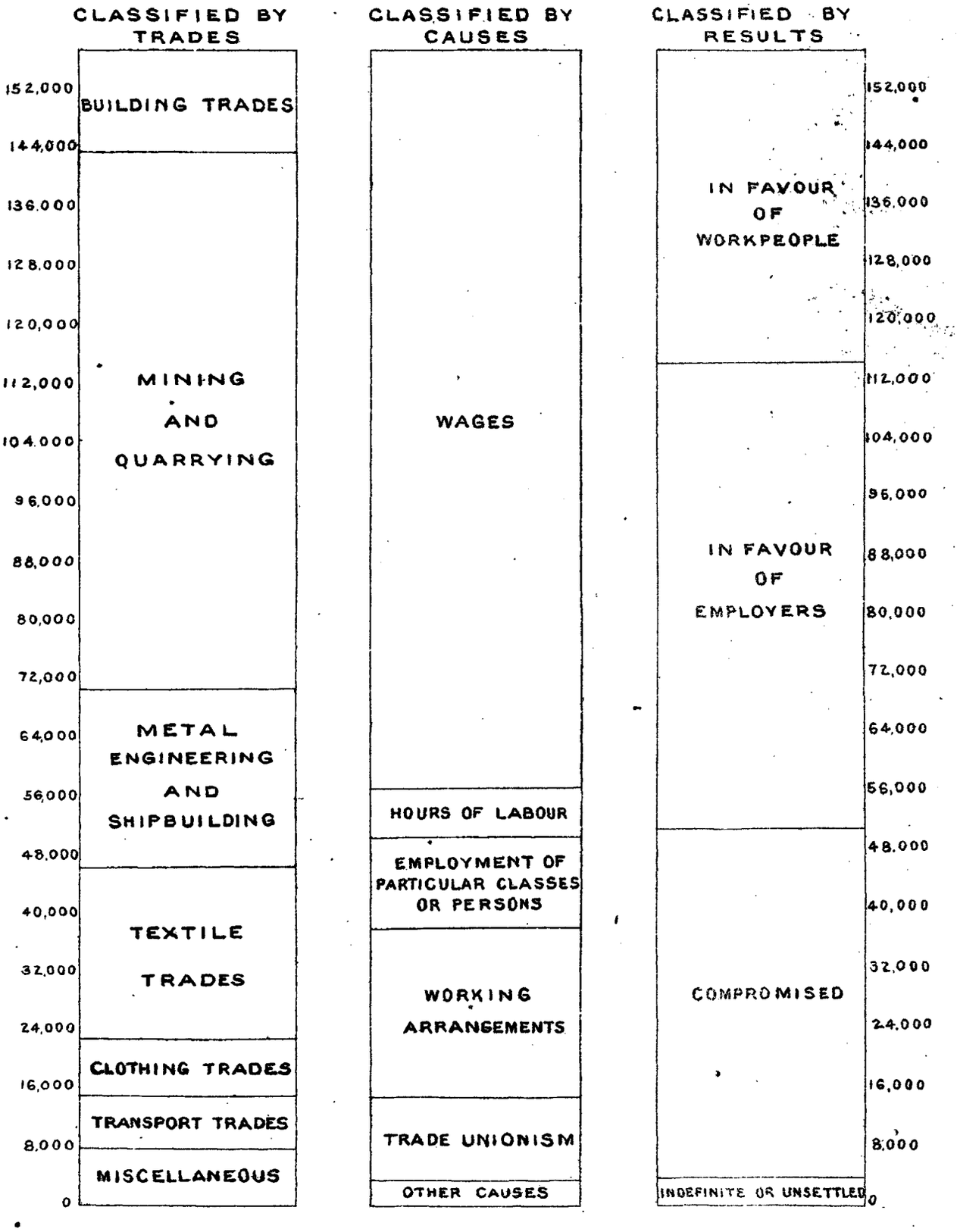
XXII.

TRADE DISPUTES.

NUMBER OF WORKPEOPLE DIRECTLY AFFECTED CLASSIFIED BY TRADES, CAUSES AND RESULTS. MEAN OF 10 YEARS, 1894-1903.



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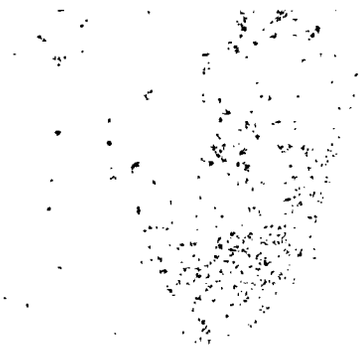
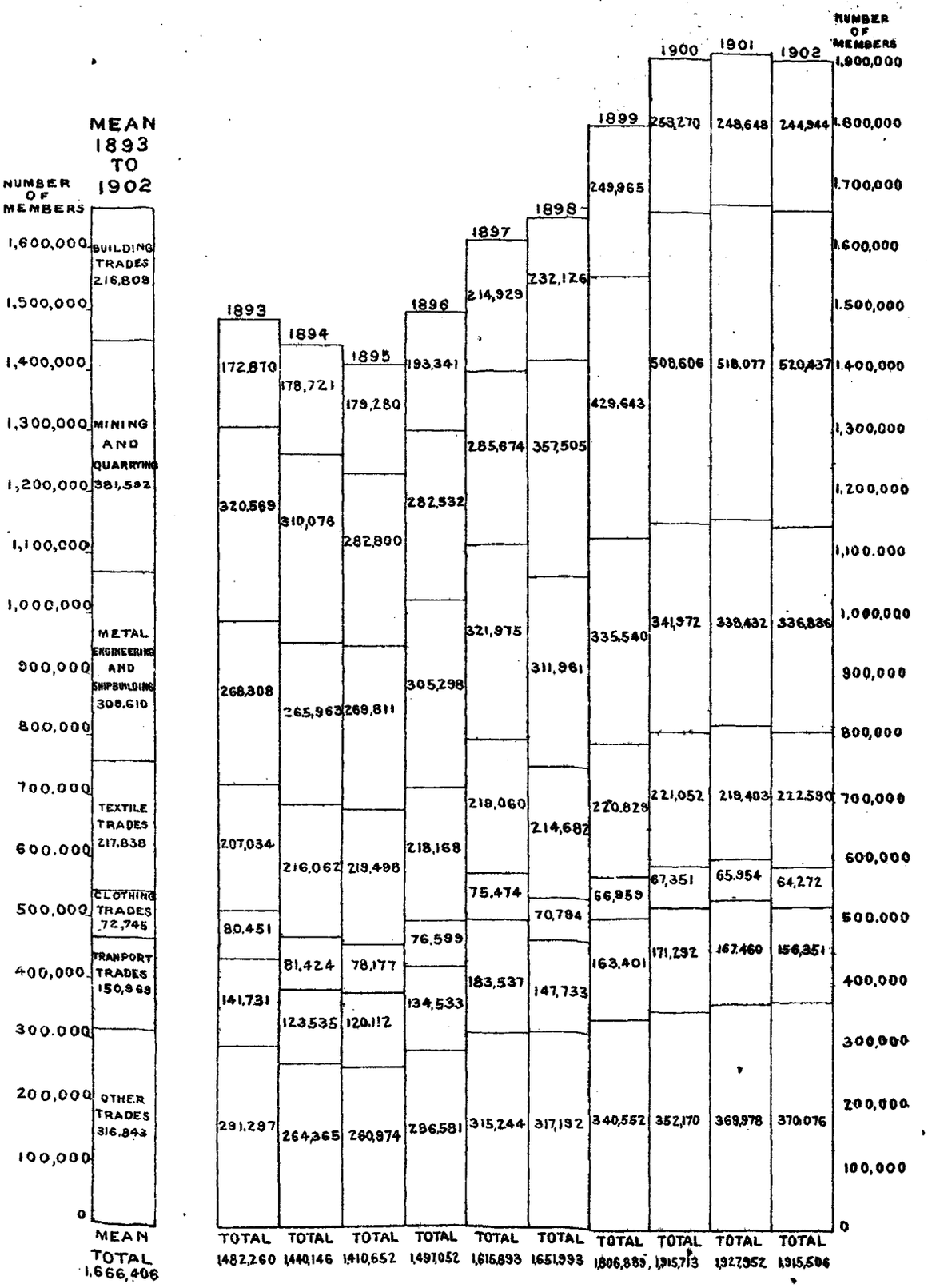


XXIII.

TRADE UNIONS.

MEMBERSHIP OF ALL TRADE UNIONS.

MEMBERSHIP IN EACH YEAR, 1893–1902, AND MEAN FOR PERIOD, CLASSIFIED BY TRADES.



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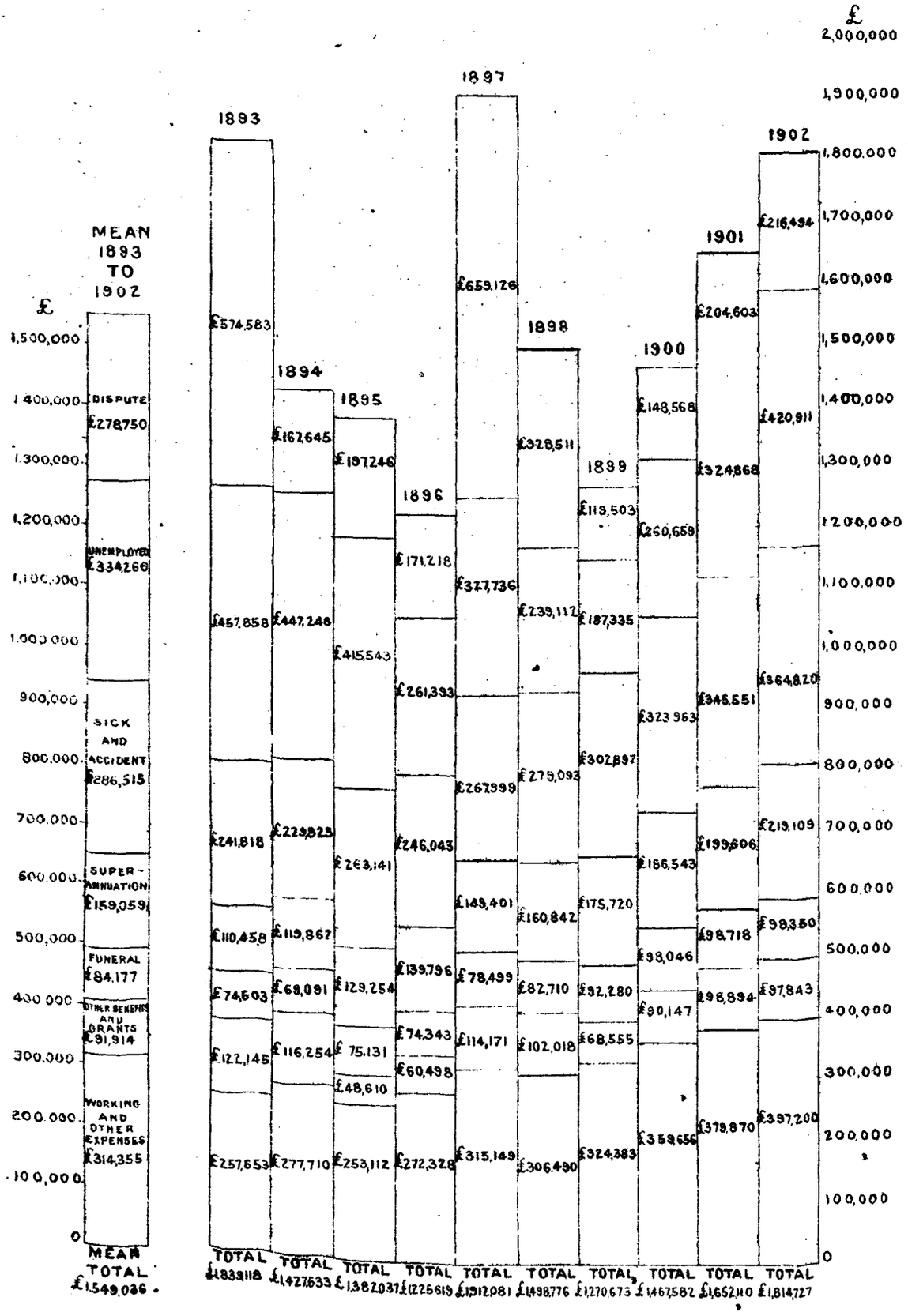
XXIV.

TRADE UNIONS.

ANALYISIS OF EXPENDITURE OF TRADE UNIONS, 1893–1902.

EXPENDITURE ON DISPUTES, WORKING EXPENSES AND EACH CLASS OF FRIENDLY BENEFIT BY 100 PRINCIPAL TRADE UNIONS FOR EACH YEAR AND MEAN FOR PERIOD.



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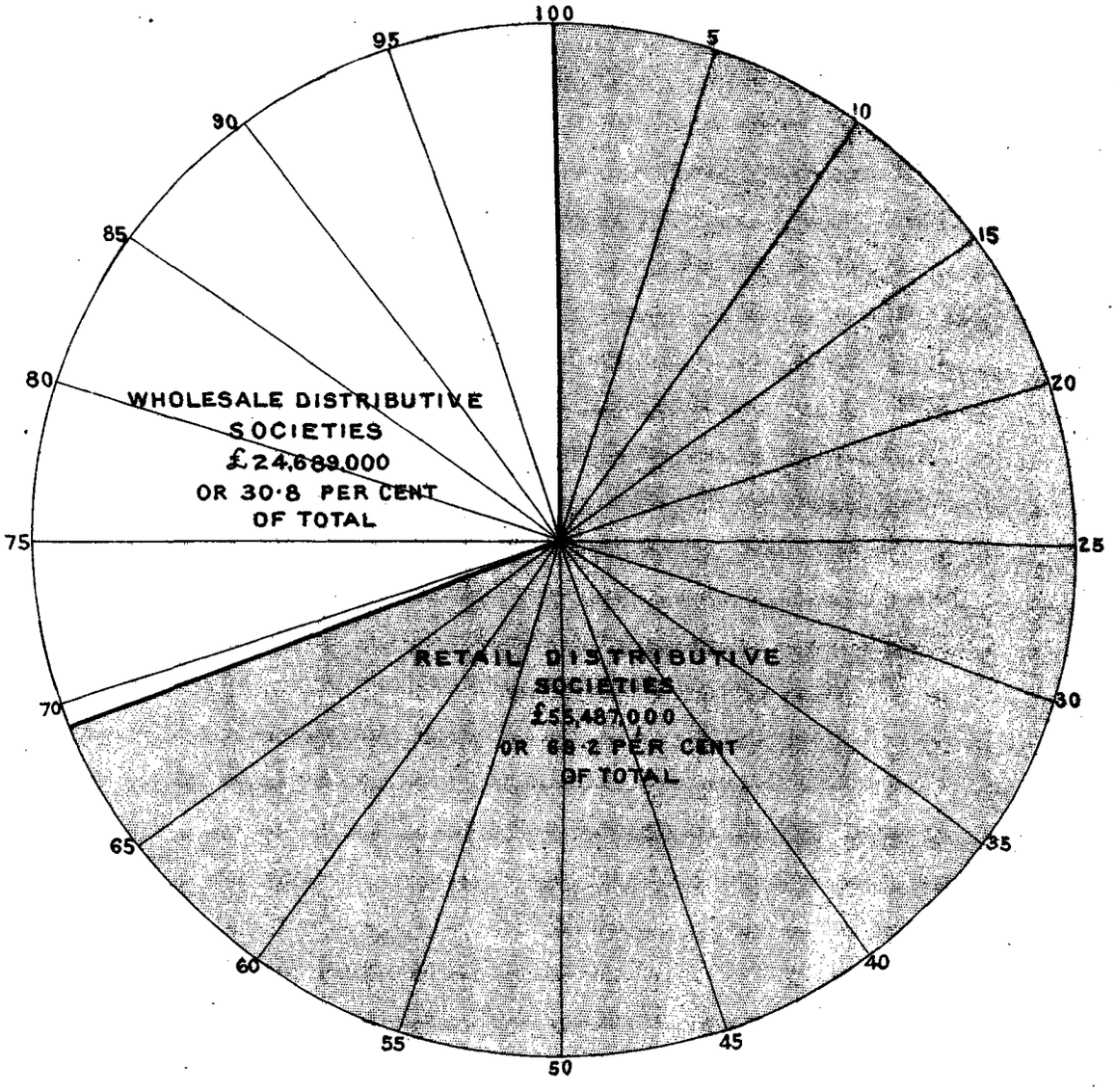
CO-OPERATION.

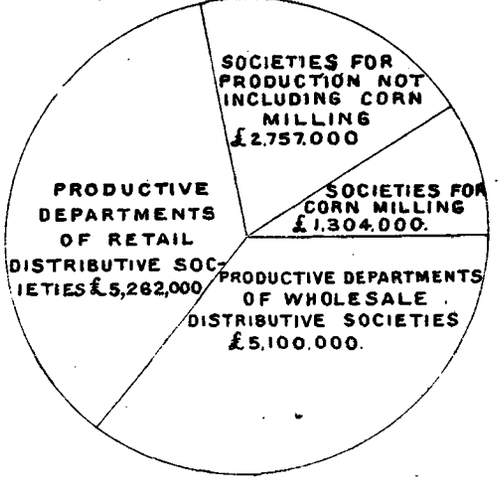
CO-OPERATIVE DISTRIBUTION & PRODUCTION IN 1902.

SALES OF WHOLESALE AND RETAIL DISTRIBUTIVE SOCIETIES.

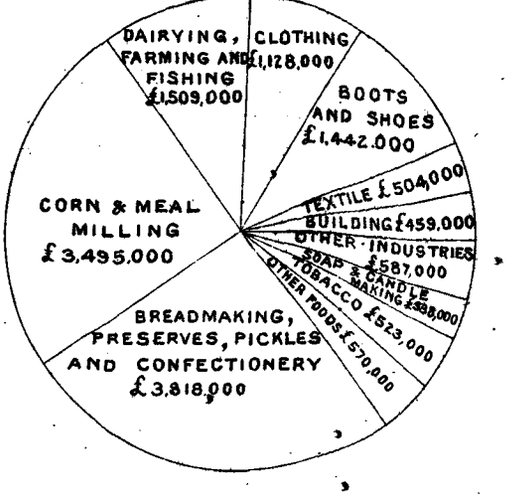


VALUE OF GOODS PRODUCED CLASSIFIED BY

(i) FORM OF SOCIETY.


SOCIETIES FOR PRODUCTION NOT INCLUDING CORN MILLING £2,757,000
SOCIETIES FOR CORN MILLING £1,304,000.
PRODUCTIVE DEPARTMENTS OF RETAIL DISTRIBUTIVE SOCIETIES £5,262,000
PRODUCTIVE DEPARTMENTS OF WHOLESALE DISTRIBUTIVE SOCIETIES £5,100,000.

(ii) NATURE OF INDUSTRY.



4815. 4.04.

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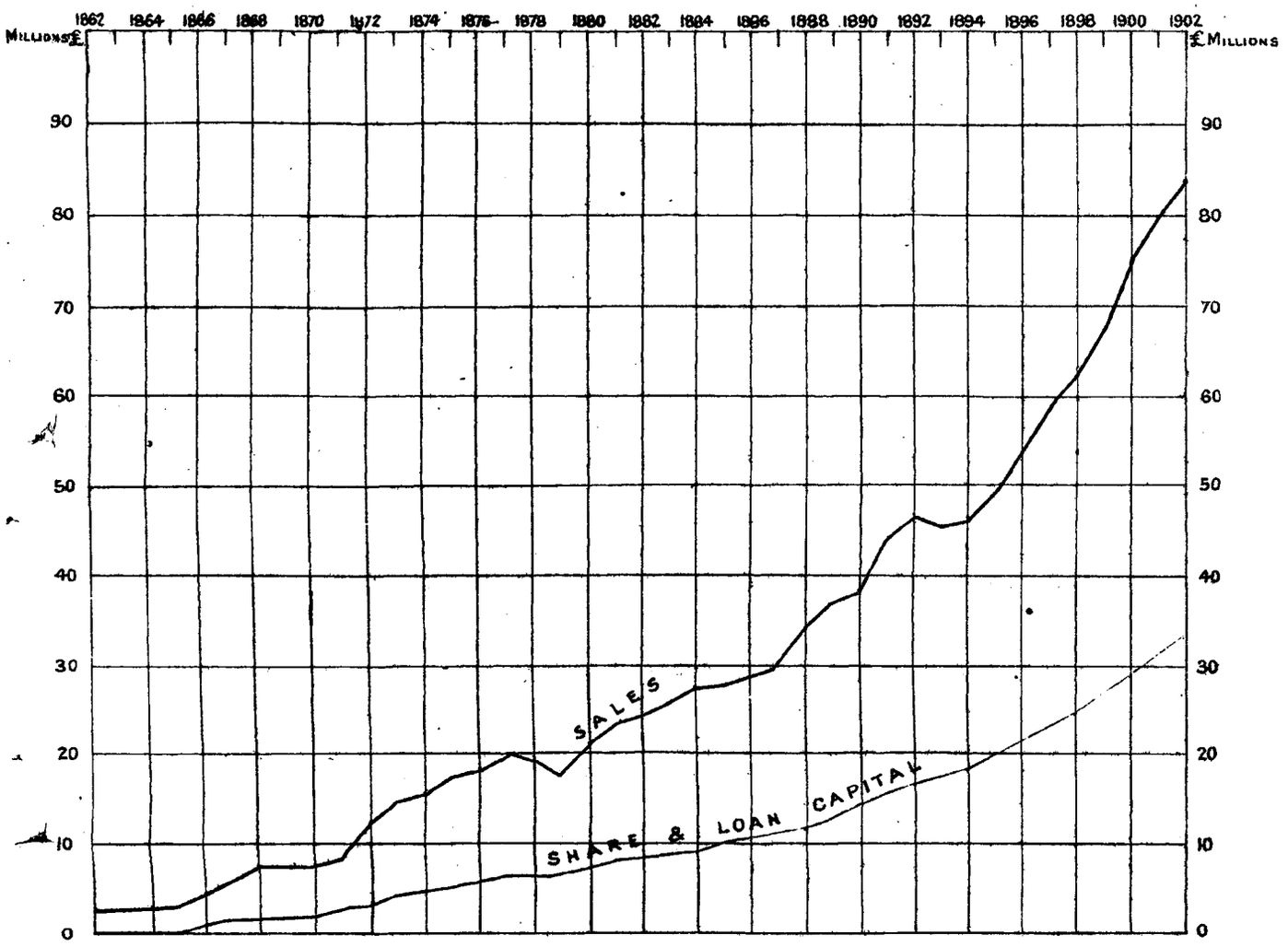
XXVI.

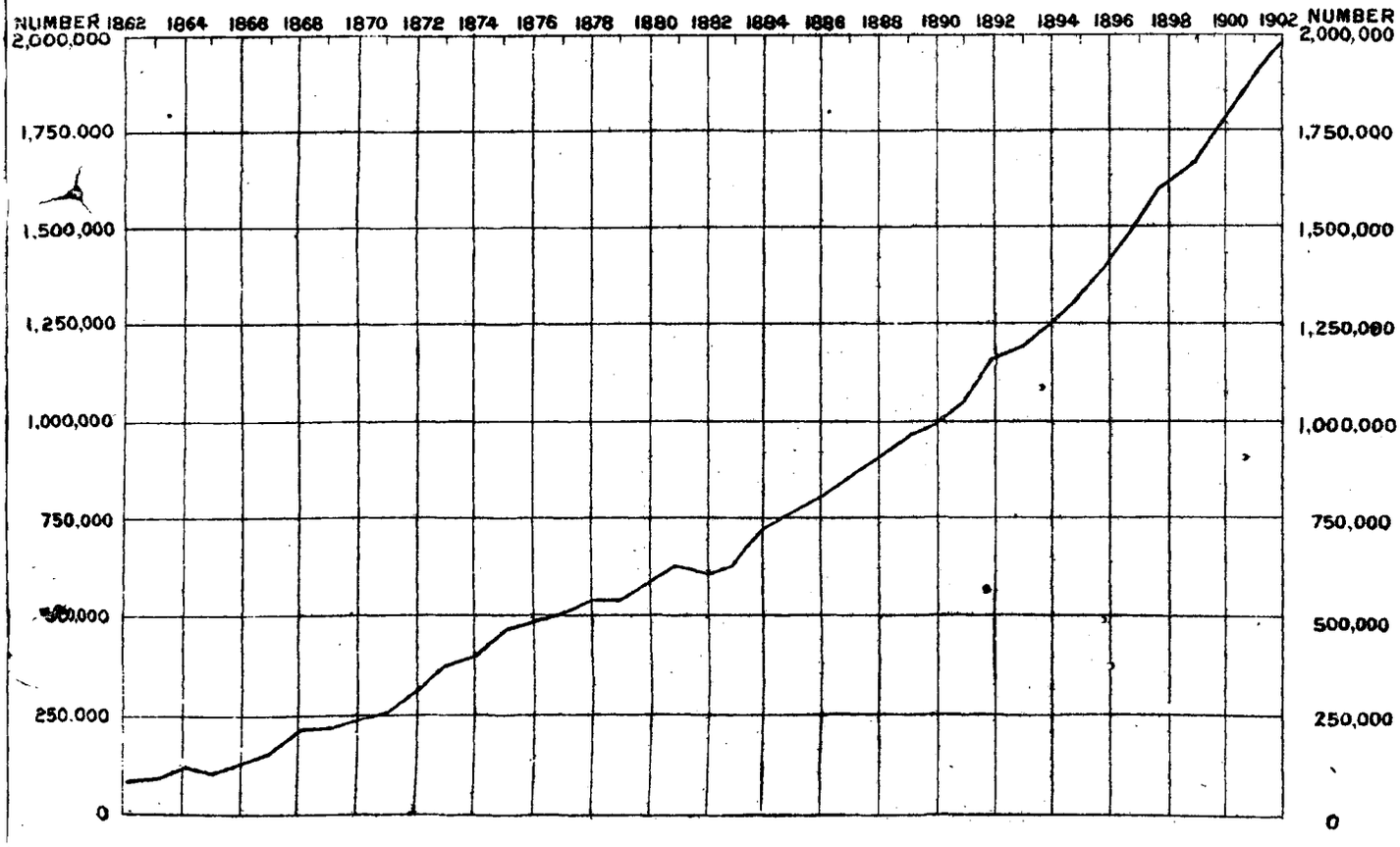
CO-OPERATION.

GROWTH OF CO-OPERATION, 1862-1902.

GROWTH OF SALES & SHARE & LOAN CAPITAL.



GROWTH OF MEMBERSHIP.



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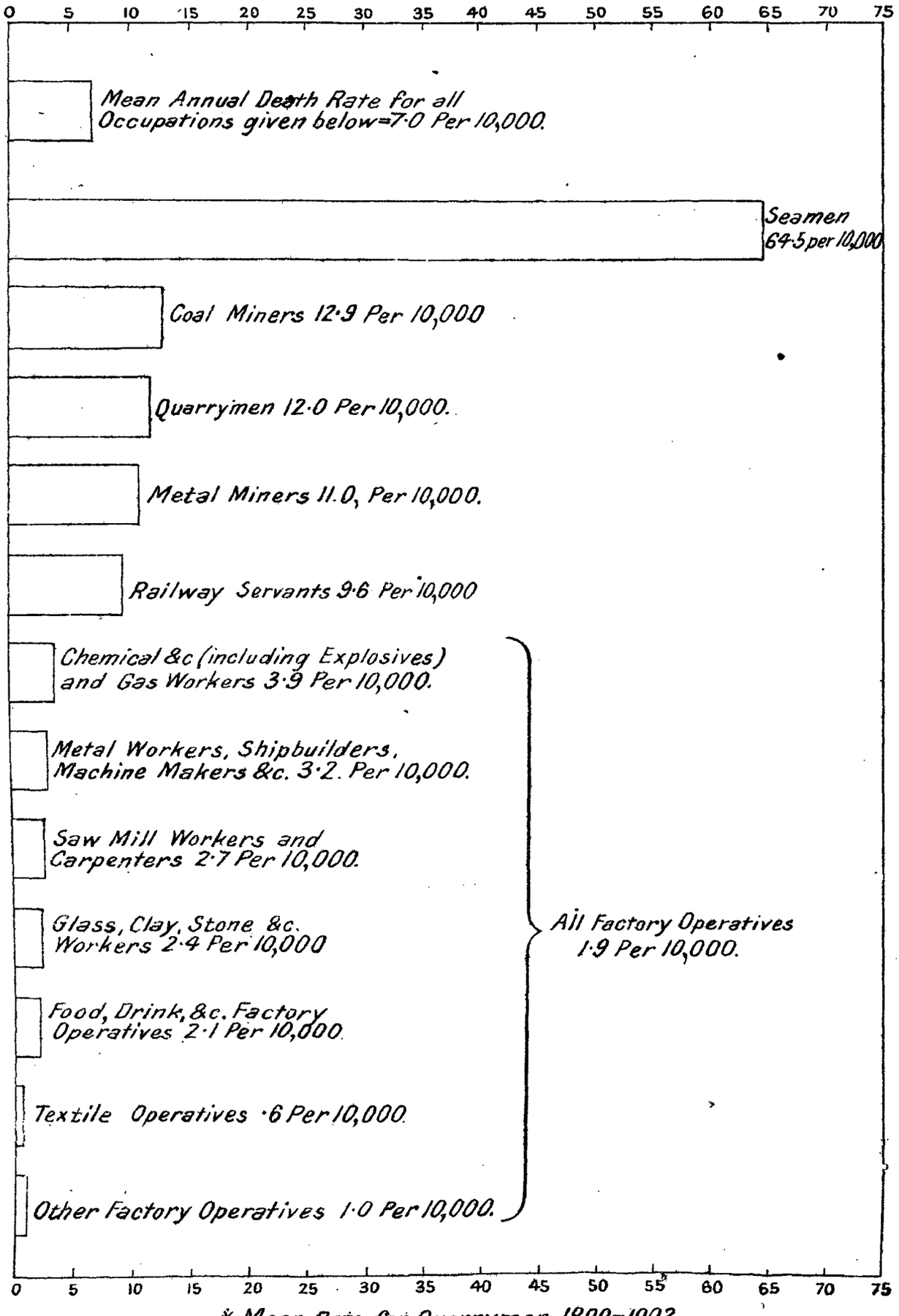
Shri Brihad Bhartiya Samaj

on 24 February, 2020

FATAL INDUSTRIAL ACCIDENTS.

MEAN ANNUAL DEATH RATE FROM INDUSTRIAL ACCIDENTS PER 10,000 EMPLOYED IN PRINCIPAL TRADES IN 1898 – 1902*.


ACCIDENT DEATH RATE PER 10.000 EMPLOYED.
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75
Mean Annual Death Rate for all Occupations given below=7·0 Per 10,000.
Seamen 64·5 per 10,000
Coal Miners 12·9 Per 10,000
Quarrymen 12·0 Per 10,000.
Metal Miners 11.0, Per 10,000.
Railway Servants 9·6 Per 10,000
Chemical &c (including Explosives) and Gas Workers 3·9 Per 10,000.
Metal Workers, Shipbuilders, Machine Makers &c. 3·2. Per 10,000.
Saw Mill Workers and Carpenters 2·7 Per 10,000.
Glass, Clay, Stone &c. Workers 2·4 Per 10,000
Food, Drink, &c. Factory Operatives 2·1 Per 10,000
Textile Operatives ·6 Per 10,000
Other Factory Operatives 1·0 Per 10,000.
All Factory Operatives 1·9 Per 10,000.
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

* Mean Rate for Quarrymen, 1899–1902.

4815. 4. 04.

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